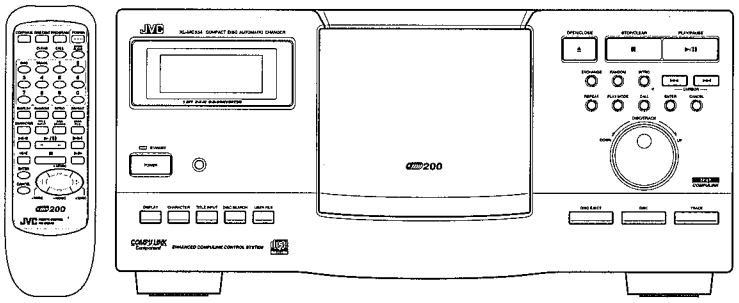
JVC

SERVICE MANUAL

COMPACT DISC AUTOMATIC CHANGER

XL-MC334BK



TEXT COMPU LINK

COMPU LINK Component

COMPACT disc DIGITAL AUDIO TEXT

Area Suffix

B ··· U.K
C ··· Canada
E ··· Continental Europe
EN ··· North Europe
J ··· U.S.A.
US ··· Singapore
U ··· Universal except all of above

Contents

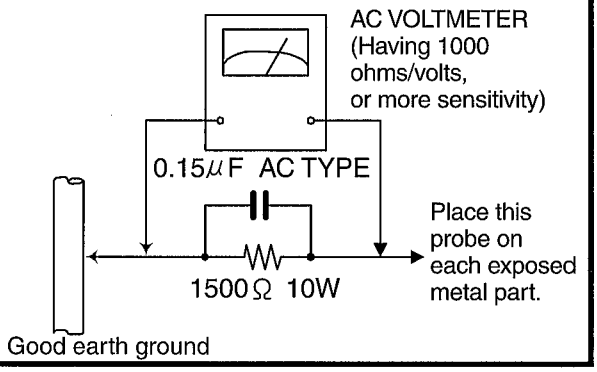
Safety Precautions 1-2
Instruction Book ..... 1-4～16
Location of main parts 2-1
Disassembly Procedures 2-2
Flow of Functional Operation Until TOC Read 2-11
Maintenance of Laser Pickup 2-12
Replacement of Laser Pickup 2-12
Description of Major ICs 2-13
Block Diagrams 2-20
Schematic Diagrams 2-21
Printed Circuit Boards 2-24
Parts List ..... 3-1～19

COPYRIGHT© 1998 VICTOR COMPANY OF JAPAN, LTD.

No.20683
Apr. 1998

Safety Precautions

1. This design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage currnet check (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal parts of the cabinet , particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5mA AC (r.m.s.)
   - Alternate check method
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to eachexposed metal part, particularly any exposed metal part having a return path to the chassis, and meausre the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. voltage measured Any must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

⚠ ***CAUTION*** **Burrs formed during molding may be left over on some parts of the chassis. Therefore, pay attention to such burrs in the case of preforming repair of this system.**

Important for Laser Products

1.CLASS 1 LASER PRODUCT

2.DANGER : Invisible laser radiation when open and inter lock failed or defeated. Avoid direct exposure to beam.

3.CAUTION : There are no serviceable parts inside the Laser Unit. Do not disassemble the Laser Unit. Replace the complete Laser Unit if it malfunctions.

4.CAUTION : The compact disc player uses invisible laserradiation and is equipped with safety switches whichprevent emission of radiation when the drawer is open and the safety interlocks have failed or are de feated. It is dangerous to defeat the safety switches.

5.CAUTION : If safety switches malfunction, the laser is able to function.

6.CAUTION : Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

VARNING : Osynlig laserstrålning är denna del är öppnad och spårren är urkopplad. Betrakta ej strålen.

VARO : Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle.Älä katso säteeseen.

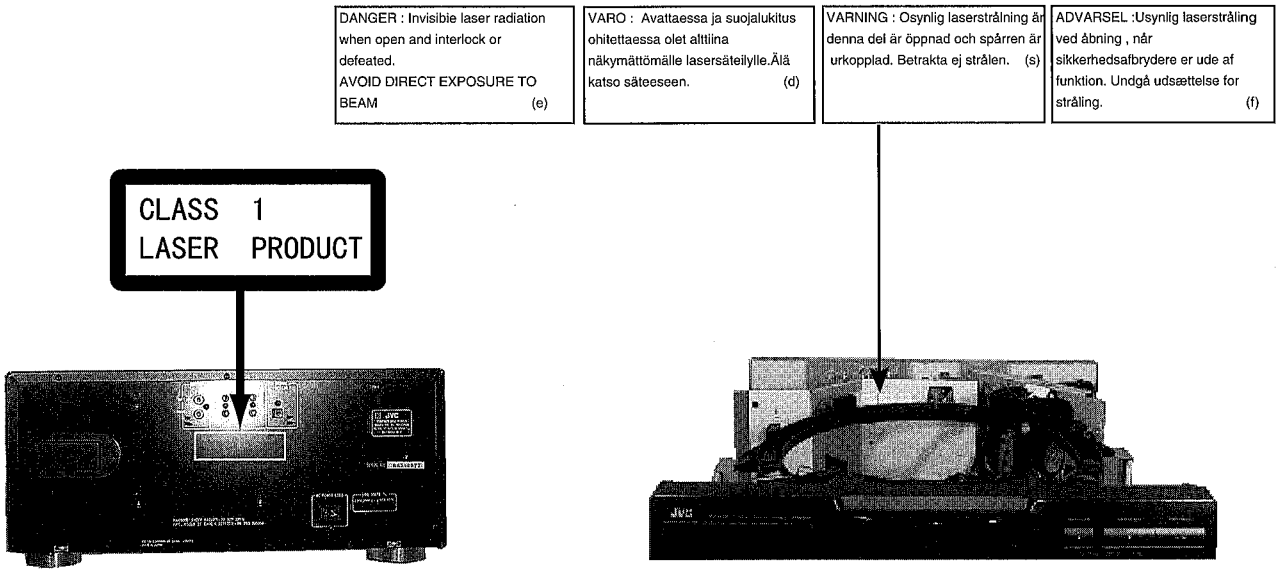
ADVARSEL : Usynlig laserstråling ved åbning , når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

ADVARSEL : Usynlig laserstråling ved åpning,når sikkerhetsbryteren er avslott. unngå utsettelse for stråling.

REPRODUCTION AND POSITION OF LABELS

WARNING LABEL

(Except for the U.S.A.and Canada and UP)


DANGER : Invisibie laser radiation when open and interlock or defeated.
AVOID DIRECT EXPOSURE TO BEAM (e)
VARO : Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle.Älä katso säteeseen. (d)
VARNING : Osynlig laserstrålning är denna del är öppnad och spårren är urkopplad. Betrakta ej strålen. (s)
ADVARSEL :Usynlig laserstråling ved åbning , når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling. (f)
CLASS 1
LASER PRODUCT

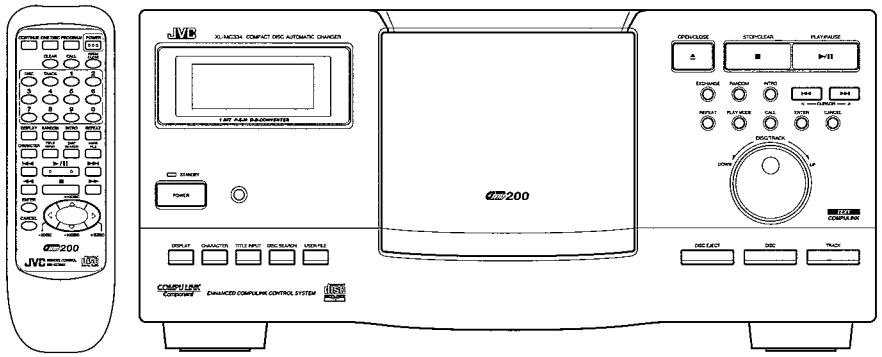
JVC

VICTOR COMPANY OF JAPAN, LIMITED

JVC

COMPACT DISC AUTOMATIC CHANGER

XL-MC334BK



TEXT COMPU LINK COMPU LINK Component COMPACT disc DIGITAL AUDIO TEXT COMPACT disc DIGITAL AUDIO

INSTRUCTIONS

For Customer Use:
Enter below the Model No. and Serial No. which are located on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

EN.

Printed in Japan
0398MSMUBNOZK

LVT0022-001B
[J]

WARNING AND CAUTIONS

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK.
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol within an equilateral triangle alerts the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that could cavse electric shock.

The exclamation mark within an equilateral triangle alerts the user to important operating and maintenance (servicing) instructions in the manual for the appliance.

For U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
Consult the dealer or an experienced radio/TV technician for help.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Caution — POWER switch!
Disconnect the mains plug to shut the power off completely. The POWER switch in any position does not disconnect the mains line. The power can be remote controlled.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **DANGER:** Invisible laser radiation when open and interlock failed or bypassed. Avoid direct exposure to beam.
3. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the player; leave all servicing to qualified service personnel.

CAUTION
To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

INTRODUCTION

Thank you very much for purchasing this JVC product. We sincerely hope it proves its quality and performance to your full satisfaction. Please read the instructions contained in this manual in order to get the most out of the product's capability and performance. If there are any questions concerning the product, please consult your JVC dealer.

XL-MC334BK main features

The XL-MC334BK Compact disc automatic changer provides many sophisticated features.

- Loads up to 200 compact discs.
- Supports CD Text specifications.
- You can manually store disc information including Disc title, Performer and Genre for a normal audio CD (non CD Text disc) into the memory built in the unit.
- Displays disc information of CD Text discs, as well as manually stored information of normal audio CDs.
- Supports JVC's advanced TEXT COMPU LINK, allowing the disc information to be displayed on your TV monitor through a JVC amplifier/receiver supporting TEXT COMPU LINK.
- Provides on optical digital audio output port, as well as the conventional analog audio output ports.
- 1-bit P.E.M. DD converter for optimum audio performance.
- Disc search function using the disc information.
- You can create up to 8 user files for classifying discs.
- Reserve mode for continuous playback of tracks in the specified order.

CONTENTS

PRECAUTIONS 2
Installation 2
Compact discs 2
Operation 2
SETTING UP 2
Connecting the unit 2
Installing batteries in the remote control 3
FRONT PANEL AND REMOTE CONTROL 4
Front panel 4
Display 5
Remote control 6
BASIC OPERATION 7
Turning the power on 7
Loading compact discs 7
Unloading/changing discs 7
Playing back discs 8
Changing discs during playback 9
CONTINUE MODE PLAYBACK 10
Basic mode 10
Playing back discs in random order 10
Playing back a track repeatedly 10
Playing back the beginning of each disc 10
ONE DISC MODE PLAYBACK 11
Basic mode 11
Playing back the tracks in random order 11
Playing back the disc repeatedly 11
Playing back a track repeatedly 11
Playing back the beginning of each track 11
PROGRAM MODE PLAYBACK 12
Basic mode 12
Playing back the program repeatedly 12
Playing back a program step repeatedly 13
SHOWING DISC INFORMATION 14
With CD Text discs 14
With normal audio CDs (non CD Text discs) 14
ENTERING DISC INFORMATION 15
Storing Title information 15
SEARCHING FOR A DISC 17
How to search for a disc 17
USER FILE 18
Enrolling a disc to a user file 18
Assigning a user file name 18
Checking user file contents 18
Deleting a disc from the user file 19
Playing back all discs in a user file 19
RESERVE FUNCTION 20
Reserving the following tunes to be played back 20
TEXT COMPU LINK SYSTEM 21
COMPU LINK-3 REMOTE CONTROL SYSTEM 21
HANDLING AND TAKING CARE OF DISCS 22
Handling compact discs 22
Cleaning compact discs 22
Storing compact discs 22
SPECIFICATIONS & PACKING LIST 22
TROUBLESHOOTING 23

PRECAUTIONS

Installation

- **Select the best location**
  Select a level location to install this unit, where it is free from extremes of temperature (5 to 35°C, or 41 to 95°F) and humidity, dust, or vibration.
  If noise interference is caused when receiving AM broadcast by a tuner/receiver located nearby, relocate it or this unit, or turn off either one.
- **Moving the unit**
  Before moving the unit, first remove all discs. Turn the power off, making sure the standby indicator is on. Then remove the AC power cord from the AC outlet.

Compact discs

- **Use only compact digital audio discs**
  Only audio compact discs identified by the logo on the right can be played back with the unit.

  Also the unit can display the text information in CD text discs identified by the logo on the right.

Operation

- **Place only discs in the disc storage**
  Do not put anything other than discs in slots of the disc storage.
- **Turn the power off if a problem occurs**
  If an unusual condition arises, turn the power off immediately. If the condition persists whenever the power is turned on, consult your JVC dealer.
- **Do not pull the AC cord**
  Do not pull the cable when unplugging the AC cord from the AC outlet or this component — hold and pull the plug body.
- **Set the sound volume carefully**
  Be careful in setting the sound volume on your amplifier/receiver when playing a CD, which has almost no background noise unlike analog records and tapes. Find the right setting by starting with a low level setting. Setting the level too high and then playing a CD could damage the speakers.
- **Protect the unit against condensation**
  Condensation on the unit could disrupt the proper transmission of the disc-reading laser beam, causing noise or malfunction. If condensation occurs due to excessive humidity or sudden temperature change, leave the unit turned on for a couple of hours to dry — consult your JVC dealer if this does not correct the condition.

SETTING UP

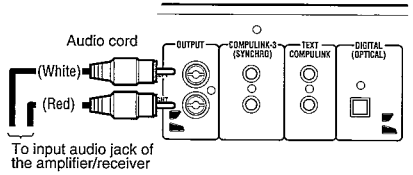
Connecting the unit

This compact disc changer/player needs to be connected to an amplifier/receiver for audio reproduction.

CAUTION
Do not connect the AC power cord until all other necessary connections have been made.

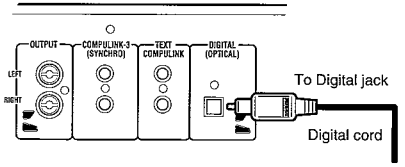
1. Audio connection

Connect the analog (OUTPUT) ports on the back of this unit with the CD or AUX input ports of the amplifier/receiver using the supplied audio cords (red and white).



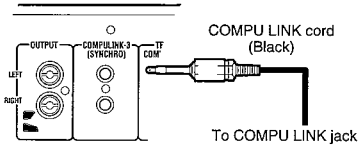
- Be sure to insert the plug firmly into the proper ports.
- Be sure to match the output and input channels—RIGHT to RIGHT and LEFT to LEFT.

If your audio unit has a digital optical input, you may connect the DIGITAL (OPTICAL) port on the back of this unit to it using the optional digital cord.



2. COMPU LINK-3 connection

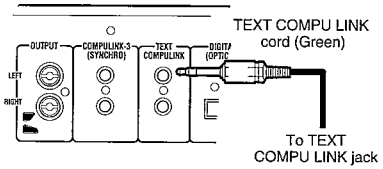
If you are using a JVC audio amplifier/receiver supporting the COMPU LINK-3 remote control system, connect either one of the COMPU LINK-3 (SYNCHRO) ports on the back of the unit with the amplifier/receiver's COMPU LINK-3 port using the supplied compulink cord (black).



By using the COMPU LINK-3 system, you can control the unit from the connected JVC amplifier/receiver.
(See "COMPU LINK-3 REMOTE CONTROL SYSTEM" on page 21.)

3. TEXT COMPU LINK connection

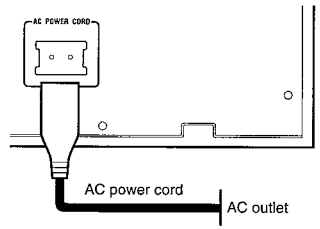
If you are using a JVC audio amplifier/receiver supporting TEXT COMPU LINK, connect either one of the TEXT COMPU LINK ports on the back of the unit with the amplifier/receiver's TEXT COMPU LINK port using the supplied TEXT COMPU LINK cord (green).



By using the TEXT COMPU LINK system, you can see the disc information or search result on the TV monitor, as well as copy disc information to a MD, and more.
(See "TEXT COMPU LINK SYSTEM" on page 21.)

4. Power connection

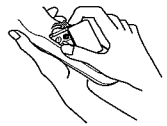
Connect the supplied AC power cord into the socket on the back of the unit. Then insert the AC plug into an AC outlet.
(If you use the COMPU LINK system, do not connect the AC plug into a switched AC outlet of a component.)



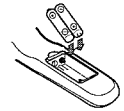
Installing batteries in the remote control

The battery compartment is located on the back of the remote control.

1. Press down on the triangular mark of the compartment cover, and pull up the cover to open the compartment.



2. Set the two supplied batteries R6P (SUM-3)/AA(15F) in the compartment with the correct polarities.



3. Place the cover over the compartment, and press down.

CAUTION
- Install the batteries with their polarities correctly set.
- Remove the batteries if the remote control is not going to be used for an extended period of time.
- Do not expose the remote control to heat, flame, or direct sunlight.

Replacing the batteries

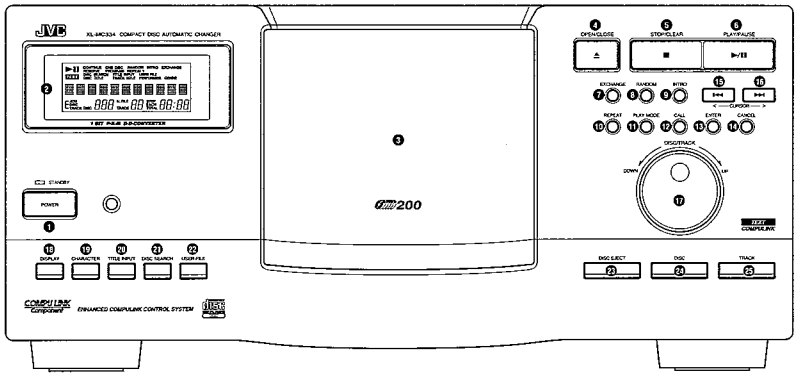
The service life of batteries normally lasts for about one year though it depends on the use of the remote control (and is shorter at low temperatures, too). Replace the batteries any time if the controllable range is reduced (max. range: 7 meters or 23 feet and 30 degrees away from the unit).

CAUTION
- Be sure to replace them with the correct batteries (R6P(SUM-3)/AA(15F)).
- Do not use a combination of new and old batteries.

FRONT PANEL AND REMOTE CONTROL

Front panel

Numbers in brackets following button names indicate their counterparts on the remote control.



❶ POWER button [4]
Turns the power on or off. The STANDBY indicator above lights when the power is turned off and the unit is in the standby state; it goes out when the power is turned on. (To turn off the unit completely, unplug the power cord from the AC outlet.)

❷ Display
Shows the current operation status and disc information (see next page for the details).

❸ Disc storage
Holds up to 200 discs in slots of a carousel, which rotates inside the disc storage.

❹ ▲ OPEN/CLOSE button [7]
Opens or closes the door of the disc storage.
When the door is open, pressing this button closes the door and brings the disc at the load/unload position to the playback position.
When the door is closed, pressing this button brings the disc at the playback position to the load/unload position and opens the door.

❺ ■ STOP/CLEAR button [5 , 23]
Also clears the contents of the Program, Reserve and Disc information.

❻ ►/II PLAY/PAUSE button [20]
Starts playback, pauses playback, or resumes playback.
If the selected disc is not in the playback position, it brings the disc at the playback position and starts playback.
If you press the button when the door is open, pressing this button closes the door and brings the disc at the load/unload position to the playback position then starts playback.

❼ EXCHANGE button
Opens the disc storage door without retracting the disc currently in the playback position, and permits you to change discs in the slots positioned in the front.

❽ RANDOM button [12]
Selects or deselects the RANDOM playback function (see the description of playback modes).

❾ INTRO button [13]
Selects or deselects the INTRO playback function (see the description of playback modes).

❿ REPEAT button [14]
Selects or deselects the REPEAT or REPEAT 1 playback function (see the description of playback modes).

⓫ PLAY MODE button [1 , 2 , 3]
Selects in turn a mode of playing successive discs continuously (CONTINUE), one disc only (ONE DISC), or according to a program (PROGRAM). (See the description of each playback mode for details.)

⓬ CALL button [6]
Displays a program step, a reserved disc/track or a disc in the user file during the operation of the Program or User file function, respectively.

⓭ ENTER button [25]
Fixes the character, disc/track number, or name selected during the operation of program, reserve, title and user file functions.

⓮ CANCEL button [26]
Cancels a program step, a reserved disc/track, a title, or a disc in the user file during the operation of the Program or User file function, respectively.

⓯ I◄◄ (track skip/search backward) button [10 , 22]
Skips tracks or searches for a track backward. Holding down this button causes playback to fast backward. Also moves the cursor backward during the character input.

⓰ ►►I (track skip/search forward) button [21 , 24]
Skips tracks or searches for a track forward. Holding down this button causes playback to fast forward. Also moves the cursor forward during character input.

⓱ DISC/TRACK jog dial
Mainly used to select a disc or track together with the DISC or TRACK button, or select a character to be entered during Title input, etc.

⓲ DISPLAY button [11]
Selects displayed disc information from DISC TITLE, PERFORMER GENRE, etc. See "SHOWING DISC INFORMATION" on page 14.

⓳ CHARACTER button [15]
Selects the character type to be entered for the disc information, user file name or search character. See "ENTERING DISC INFORMATION" on page 15, "USER FILE" on page 18, and "SEARCHING FOR A DISC" on page 17.

⓴ TITLE INPUT button [16]
Activates the entry of the disc information or user file name. See "ENTERING DISC INFORMATION" on page 15 and "USER FILE" on page 18.

㉑ DISC SEARCH button [17]
Activates the Disc search function. See "SEARCHING FOR A DISC" on page 17.

㉒ USER FILE
Activates the User file function. See "USER FILE" on page 18.

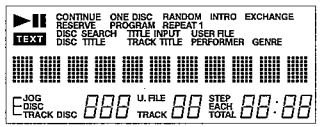
㉓ DISC EJECT button
Raises the disc in the load/unload position of the disc storage when its door is open.

㉔ DISC button [8]
Selects the DISC/TRACK jog dial function for discs.

㉕ TRACK button [9]
Selects the DISC/TRACK jog dial function for tracks.

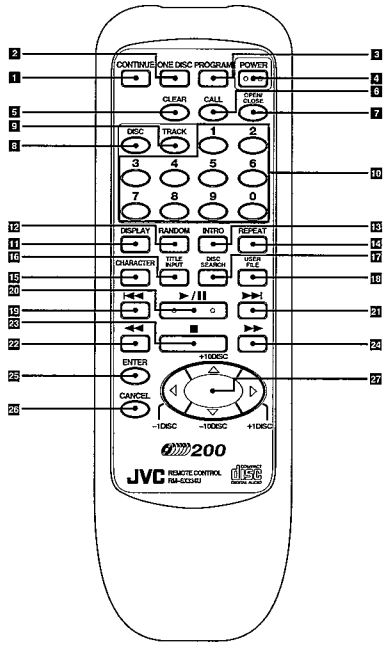
Display

The display indicate playback/pause status, playback mode, playback functions, disc (slot) number, track number, disc information, jog dial function, step number of Program, track/total playing time, user file number, etc.



Remote control

Numbers in brackets following button names indicate their counterparts on the front control.



1 CONTINUE button
Directly selects the mode of playing successive discs continuously — instead of selecting the CONTINUE mode using the PLAY MODE button ⓫ on the front panel.

2 ONE DISC button
Directly selects the mode of playing one disc only — instead of selecting the ONE DISC mode using the PLAY MODE button ⓫ on the front panel.

3 PROGRAM button
Directly selects the mode of playing discs and tracks according to a program — instead of selecting the PROGRAM mode using the PLAY MODE button ⓫ on the front panel.

4 POWER button [❶]

5 CLEAR button
Clears the contents of the Program and Disc information.

6 CALL button [⓬]

7 OPEN/CLOSE button [❹]

8 DISC button [㉔]
Selects the numeric button function for disc number entry.

9 TRACK button [㉕]
Selects the numeric button function for track number entry.

10 Numeric buttons (0 through 9)
Used to specify a disc or track number.

11 DISPLAY button [⓲]

12 RANDOM button [❽]

13 INTRO button [❾]

14 REPEAT button [❿]

15 CHARACTER button [⓳]

16 TITLE INPUT button [⓴]

17 DISC SEARCH button [㉑]

18 USER FILE button [㉒]

19 ⏮ (track skip backward) button
Skips tracks backward. Also moves the cursor.

20 ▶/II (play/pause) button [❻]

21 ⏭ (track skip forward) button
Skips tracks forward. Also moves the cursor.

22 ◀◀ (track search backward) button
Searches a track backward.

23 ■ (stop) button [❺]
Stops playing the disc.

24 ▶▶ (track search forward) button
Searches a track forward.

25 ENTER button [⓭]

26 CANCEL button [⓮]

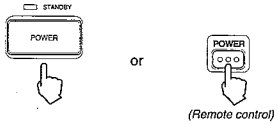
27 Disc skip buttons
Select a disc.
△ (▽) button increases (decreases) the disc number by ten, while ◁ (▷) button increases (decreases) the disc number one by one.
These buttons also select a character or genre to be entered during the Title input or Search operation. Pressing the ◁ / ▷ buttons selects the next character or genre, while pressing the △ / ▽ buttons jumps to the 5th character or genre forward/backward from the one currently displayed.

NOTE: When using the remote control, do not press the buttons too quickly to ensure proper reception by the unit.

BASIC OPERATION

Turning the power on

Check that the STANDBY indicator on the front panel is lit. Then press the POWER button either on the front panel or remote control.



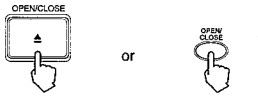
To turn the power off, press the button again. The STANDBY indicator will light.

NOTE: Keeping the unit in the standby state consumes a minimal 6.0 watts. If necessary, unplug the power cord from the AC outlet to turn off the power completely. Please note, however, that the memorized data for the user files and disc information will disappear in a few days if the power is completely turned off.

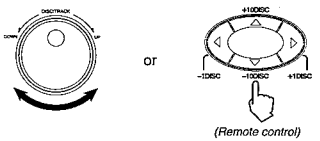
Loading compact discs

Also see Page 22 for the manner of handling and taking care of discs.

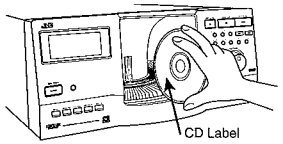
1. Press the OPEN/CLOSE button either on the front panel or remote control, opening the disc storage door and exposing the carousel slots.



2. To select a specified slot to load a disc, turn the DISC/TRACK jog dial or press the ◁ / ▷ / △ / ▽ buttons to specify the slot number, which is shown as the "DISC" number on the display. The carousel rotates to bring the specified slot to the load/unload position, which is in the center of the storage area.



3. Place the disc in a slot, with its label facing to the left.



CAUTION
- Do not put anything except CDs in the storage area.
- Be careful not to touch the playback mechanism in the unit.
- Up to 25 discs can be accessed at one time. Trying to insert or remove a disc which is not in the loading area may result in damage to the discs and unit.
- The disc needs to be placed vertically in the storage slot of this component. After taking the disc out of its case, grip the rim of the disc between your thumb and middle finger — be sure to keep the fingers on the narrow, outermost strip where the surface is solidly bright.
- Do not try to put more than one disc in a single slot. The unit will be damaged.

NOTE: 3-inch (8 cm) CDs cannot be played back in this unit.

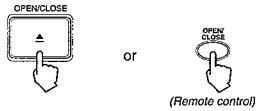
4. Repeat step 3, or steps 2 and 3, to load discs in the storage. Up to 200 discs can be loaded.

5. When all necessary discs have been loaded, press the OPEN/CLOSE button to close the storage door.
The carousel rotates to bring the disc at the loaded/unloaded position (in the center of the storage area) to the playback position.

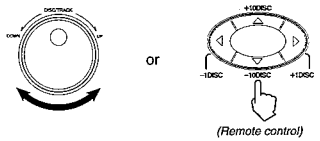
CAUTION
Make sure to remove your hand from the storage opening before pressing the OPEN/CLOSE button.

Unloading/changing discs

1. Press the OPEN/CLOSE button to eject a disc in the playback position for unloading or changing.



2. To unload or change discs in other slots, turn the DISC/TRACK jog dial or press the ◁ / ▷ / △ / ▽ buttons to specify the slot number, which is shown as the "DISC" number on the display. Then press the DISC EJECT button to raise the disc up.



Repeat this step to unload or change any additional discs.

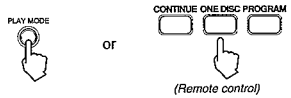
3. When unloading or changing is completed, press the OPEN/CLOSE button to close the door.
The carousel rotates to bring the disc at the loaded/unloaded position (in the center of the storage area) to the playback position.

Playing back discs

1 Selecting a playback mode

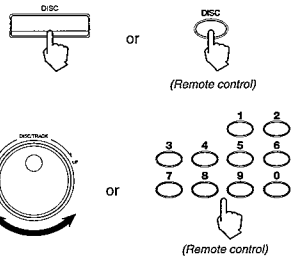
There are three main playback modes, namely CONTINUE, ONE DISC, and PROGRAM; each has selective playback functions. (See the following pages for the description of the playback modes and functions.)

Select the mode using the PLAY MODE button on the front panel, or the CONTINUE, ONE DISC, or PROGRAM button on the remote control.
The current mode is shown on the display.



2 Selecting a disc

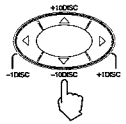
- **Method 1**
Press the DISC button, then use the DISC/TRACK jog dial on the front panel or the numeric buttons to select a disc.



The selected disc number is shown on the display.

NOTE:
- To specify the disc or track numbers using the numeric buttons, press the corresponding buttons from higher digits. For example, press "5" then "2" for "52". Press "1", "4" and then "8" for "148".
- In the operation above, the disc selection mode will be canceled if you do not use the jog dial or numeric buttons within 4 seconds after pressing the DISC button.
Also, the selected disc will be canceled if you do not execute step 3 or 4 below within 4 seconds after using the jog dial or numeric buttons.

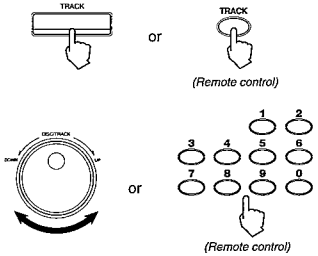
- **Method 2**
Use the ◁ / ▷ / △ / ▽ buttons on the remote control.
The △ (▽) button increases (decreases) the disc number by ten, while the ◁ (▷) button increases (decreases) the disc number one by one.



3 Selecting a track

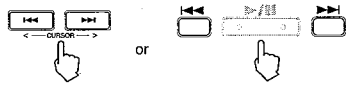
If you want to listen to the selected disc from a desired track instead of the first track, select the track by one of the methods below.

- **Method 1**
Press the TRACK button, then use the DISC/TRACK jog dial on the front panel or the numeric buttons to select a track.



The selected track number is shown on the display.

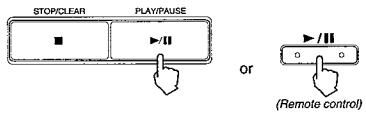
- **Method 2**
Use the I◄◄/►►I buttons to select a track.
Pressing the I◄◄ button skips a track backward, while the ►►I button skips forward.



NOTE:
- The disc/track selection mode will be canceled if you do not use the jog dial or numeric buttons within 4 seconds after pressing the TRACK button.
- Also, the selected track will be canceled if you do not execute step 4 below within 4 seconds after using the jog dial or numeric buttons.

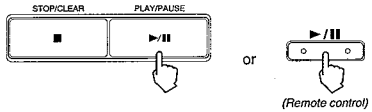
4 Starting the disc

Press the ►/II button to play the selected disc or track.



- **Interrupting playback**

Press the ►/II button to temporarily interrupt playback, which can be resumed by pressing the ►/II button again.



- **Skipping discs/tracks during playback**

To skip discs or tracks during playback, the same basic methods as described in "2 Selecting a disc" on page 8 or "3 Selecting a track" on page 9 can be used.

After the selection is made,
- press the ►/ II button to start playback of the selected disc/track.
- the playback of the selected track automatically starts if you select a track in the current disc using the I◄◄ / ►►I buttons.

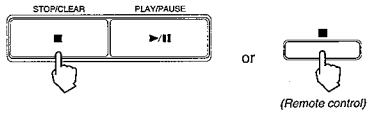
NOTE: When "JOG" is shown in the display (= after pressing the DISC or TRACK buttons), pressing the ►/ II button starts playback of the specified disc/track even during playback, instead of interrupting the current playback.

- **Searching the track forward or backward**

To search the track (to move fast forward or backward), hold down the I◄◄ / ►►I button on the front panel or the ◄◄ / ►► button on the remote control.

- **Stopping playback**

Press the ■ button to stop playback.



Changing discs during playback

The carousel slots positioned in the front behind the disc storage door are accessible for loading, unloading, or changing discs while a disc is being played. Press the EXCHANGE button to open the door.

To close the door, press the EXCHANGE or OPEN/CLOSE button.

CAUTION
- Insert or remove discs very carefully at this time — the slots other than the center one are radially slanted toward the center of the carousel. Never try to rotate the carousel forcibly — it cannot be rotated when a disc is being played.
- Do not insert a disc outside of the loading area.
- To rotate the carousel, press OPEN/CLOSE button after closing the disc storage door.
- After loading/unloading discs, promptly close the disc storage door. Playback will not occur while the door is in the open position.

CONTINUE MODE PLAYBACK

Every loaded disc can be played back entirely in the numerical order in the CONTINUE mode. After the playback of the last disc ends, the playback begins again from the first disc.

Discs and tracks can be played back randomly from all the loaded discs (RANDOM function).

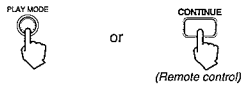
One track can be played back repeatedly in the basic mode as well as when the RANDOM function is selected (REPEAT-1 function).

The beginning of the first track of every loaded disc can be played back for 15 seconds (INTRO function).

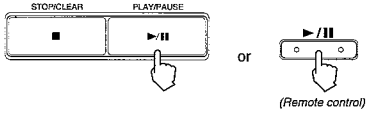
The reserve function can be used in the CONTINUE mode, allowing you to reserve the following tunes (tracks) to be played back while listening to music.
See "RESERVE FUNCTION" on page 20 for the details.

Basic mode

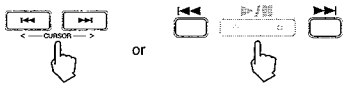
1. Select the mode.
   <By the unit>
   Press the PLAY MODE button as many times as required until the display shows "CONTINUE".
   <By the remote control>
   Press the CONTINUE button.



2. Select a disc you want to start playback with.
   See "2 Selecting a disc" on page 8 about how to select a disc.
3. Select the track if you want to start playing the disc from a specific track.
   See "3 Selecting a track" on page 9 about how to select a track.
4. Press the ►/II button to start playback.



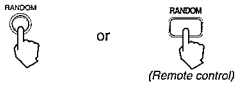
5. Tracks can be skipped forward or backward during the playback using the I◄◄ or ►►I buttons. The playback can be paused or stopped in the normal manner. For further information, see "BASIC OPERATION" on page 7.



NOTE: Pressing the ►►I button when the last track is being played back skips to the first track of the next disc. However, pressing the I◄◄ button when the first track is being played back does not skip back to the previous disc.

Playing back discs in random order

To playback every disc in the storage in random order, press the RANDOM button while playback is stopped to show "RANDOM" on the display. Then press the ►/II button to start the Random playback.



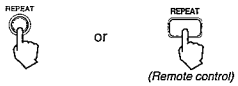
There is an approximately fifteen-second pause between tracks.

To cancel the function, press the RANDOM button again while playback is stopped.

Playing back a track repeatedly

You can listen to a selected track of the selected disc repeatedly.

1. Press the REPEAT button to show "REPEAT 1" on the display.



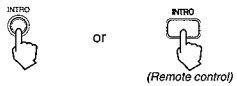
2. Select the disc and then the track you want to listen to repeatedly.
3. Press the ►/II button.

NOTE: You can also press the REPEAT button to show "REPEAT 1" on the display during playback, to play back the current track repeatedly.

To cancel the function, press the REPEAT button again, clearing the indication from the display.

Playing back the beginning of each disc

To scan the first tracks of all discs, press the INTRO button while playback is stopped to show "INTRO" on the display, then press the ►/II button. The beginning part of the first track of each disc will be played back for 15 seconds successively.



To cancel the function, press the INTRO button again, clearing the indication from the display.

ONE DISC MODE PLAYBACK

One disc can be selected and played back entirely in the ONE DISC mode, like a standard CD player.

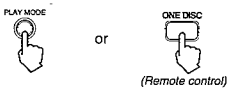
Every track of the disc can be played back once in a random order (RANDOM function).

The entire disc can be played back repeatedly (REPEAT function) or one selected track can be played back repeatedly (REPEAT-1 function) in the basic mode as well as when the RANDOM function is selected.

The beginning part of every track of the disc can be played back for 15 seconds (INTRO function).

Basic mode

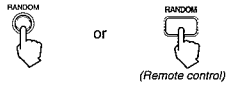
1. Select the mode.
   <By the unit>
   Press the PLAY MODE button as many times as required until "ONE DISC" is shown on the display.
   <By the remote control>
   Press the ONE DISC button.



2. Select a disc you want to listen to.
   See "2 Selecting a disc" on page 8 about how to select a disc.
3. Select the track if you want to start playing back the disc from a specific track.
   See "3 Selecting a track" on page 9 about how to select a track.
4. Press the ►/II button to start playback from the first track or from the specified track through the last track.
5. Tracks can be skipped forward or backward during the playback using the I◄◄ or ►►I button. The playback can be paused or stopped in the normal manner. For further information, see "BASIC OPERATION" on page 7.

Playing back the tracks in random order

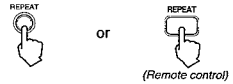
To playback every track of the disc once in random order, press the RANDOM button following Step 2, to show "RANDOM" on the display. Then press the ►/II button. The disc will stop when all tracks have been played.



To cancel the function, press the RANDOM button again while playback is stopped.

Playing back the disc repeatedly

To repeatedly playback the entire disc selected in Step 2 above, press the REPEAT button to show "REPEAT" on the display. Then press the ►/II button.



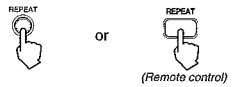
This function can be used in the basic ONE DISC mode as well as when the RANDOM function is on.
If both the RANDOM and REPEAT functions are engaged, playing back every track of the disc in random order is repeated.

To cancel the function, press the REPEAT button two more times (until "REPEAT" disappears from the display).

Playing back a track repeatedly

You can listen to a selected track of the disc repeatedly.

1. Press the REPEAT button twice to show "REPEAT 1" on the display.



2. Select the track you want to listen to repeatedly.
3. Press the ►/II button.

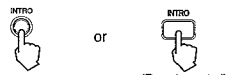
NOTE: You can also press the REPEAT button to show "REPEAT 1" on the display during playback, to play back the current track repeatedly.

This function is available even if the RANDOM function is on.

To cancel the function, press the REPEAT button again, clearing the indication from the display.

Playing back the beginning of each track

To scan the tracks of the selected disc, press the INTRO button while playback is stopped to show "INTRO" on the display, then press the ►/II button. The beginning part of each track will be played back for 15 seconds. The playback will be stopped when the scan is completed.



To cancel the function, press the INTRO button again, clearing the indication from the display.

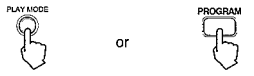
PROGRAM MODE PLAYBACK

Discs and tracks can be selectively specified in a program and played back according to the program in the PROGRAM mode.

The entire program can be played back repeatedly (REPEAT function) or one program step can be selected and played back repeatedly (REPEAT 1 function).

Basic mode

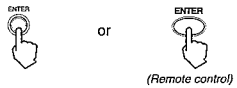
1. Select the mode.
   <By the unit>
   Press the PLAY MODE button as many times as required until "PROGRAM" is shown on the display.
   <By the remote control>
   Press the PROGRAM button.



2. Specify discs and tracks in the order you want to listen to by the following procedures.

   (a) Select a disc and a track using the DISC/TRACK jog dial on the front panel or the numeric buttons on the remote control.
   See "2 Selecting a disc, Method 1" on page 8 and "3 Selecting a track, Method 1" on page 9 about how to select the disc and track.
   If you want to program a whole disc to be played back, omit specifying the track.

   (b) Press the ENTER button to register the specification as program step 1.



   (c) Repeat (a) and (b) above.
   Up to 32 steps can be programmed.

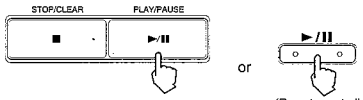
Reviewing the steps:
Pressing the CALL button displays the step in the programmed order.

Deleting a step:
Press the CALL button as many times as required to display a step to be deleted. Then press the CANCEL button.

Adding a step:
An added step is placed in the last step automatically.

Deleting all steps:
Press the ■ (STOP/CLEAR) button on the front panel or the CLEAR button on the remote control. The entire program will be cleared.

3. Press the ►/II button to start playback according to the program.



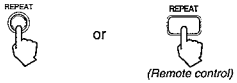
The program reviewing and modification procedures described above can be performed when playback is stopped.

The program will be retained and available whenever the PROGRAM mode is selected again as long as the unit is kept in the standby state.

If the AC power cord is disconnected from the outlet, the program will be erased.

Playing back the program repeatedly

To play back a program repeatedly, press the REPEAT button to show "REPEAT" on the display, and then press the ►/II button.

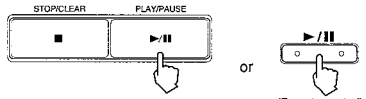


To cancel the function, press the REPEAT button two more times, clearing the indication from the display.

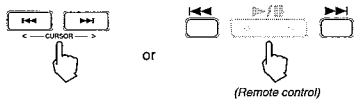
Playing back a program step repeatedly

You can listen to a selected step of the program repeatedly.

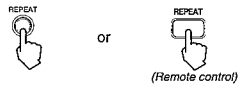
1. Press the ►/II button to start playback.



2. Select the step you want to listen to repeatedly using the I◄◄ and ►►I buttons.



3. Press the REPEAT button twice to show "REPEAT 1" on the display.



To cancel the function, press the REPEAT button again, clearing the indication from the display.

SHOWING DISC INFORMATION

You can see the disc information in a CD text disc on the display, as well as the information of a normal CD stored manually.

With CD Text discs

The disc information in a CD Text disc consists of Disc title, Track title, Performer, Genre, Song writer, Composer, Arranger and Message. However, it depends on which information are recorded on discs.

• When playback is stopped

The TEXT indicator lights and the Disc title appears on the display.

Each press of the DISPLAY button changes the information of the selected disc shown on the disc information area of the display in the following order.

Disc Title → Performer → Genre
↑ ↓
└ Other information (Song writer – Composer – Arranger – Message)

• During playback

The track title appears on the display.

Each press of the DISPLAY button changes the information of the selected track shown on the disc information area of the display in the following order.

Track title → Performer → Genre
↑ ↓
└ Other information (Song writer – Composer – Arranger – Message)

NOTE:
- If no corresponding data is recorded in the disc when selecting the display item by pressing the DISPLAY button, "NO DATA" in shown on the disc information area of the display.
- When Disc title, Track title, Performer or Genre is shown, the corresponding indicator on the display lights. For the other information (Song writer, Composer, Arranger and Message), each information is shown after the information name.
- **The disc information is shown in English primarily. Some special characters and accents may not be displayed correctly.**
- The disc information in a CD text is memorized in the unit. If a disc is unloaded, the memorized information of the disc is maintained until new data is entered. To clear the memorized information, delete the characters manually one by one. See "How to enter characters" for details on how to delete a character on page 15.
- If the power is completely turned off by unplugging the power cord, the memorized disc information will disappear in a few days.

With normal audio CDs (non CD Text discs)

A normal audio CD does not contain text information. However, because the XL-MC334 allows you to enter the disc information including Disc title, Performer and Genre, you can see the disc information for a normal audio CD later.
(See "ENTERING DISC INFORMATION" on page 15.)

When selecting a CD with manually entered disc information, the information appears in the following order.

Disc title → Performer → Genre
↑ ↓
└──────────┘

When the information is shown, the corresponding indicator (DISC TITLE, PERFORMER or GENRE) on the display lights.

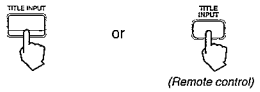
ENTERING DISC INFORMATION

You can manually store the Title information of each normal audio CD. Each Title information includes Disc title, Performer and Genre, and is displayed when the disc is selected.
(See "SHOWING DISC INFORMATION" on page 14.)
Title information stored may also be used for the search operation.
(See "SEARCHING FOR A DISC" on page 17.)

NOTE: You can store a Title not only while playback is stopped but also during playback.

Storing Title information

1. Select a disc for which you wish to enter a Title.
2. Press the TITLE INPUT button.



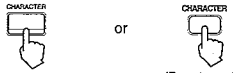
The "TITLE INPUT" and "DISC TITLE" indicators light on the display.

The leftmost disc information area blinks, prompting for character entry of the disc title.

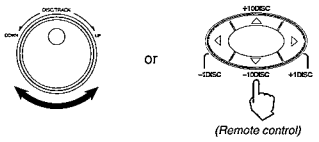
3. Enter the disc title by following "How to enter characters" shown the below.

How to enter characters

a) Select the character type from upper case, lower case, numeral and symbol by pressing the CHARACTER button as many times as required until the desired character type appears in the entry area of the display.



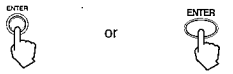
b) Select a character by the jog dial or ◁/▷/△/▽ buttons on the remote control.
Pressing the ◁/▷ buttons selects the next character, while pressing the △ / ▽ buttons jumps to the 5th character forward/backward from the character currently displayed.



The following characters can be used.

Character type	Available character
Upper case	A ~ Z (space)
Lower case	a ~ z (space)
Numeral	0 ~ 9 (space)
Symbol	! " # $ % & ' ( ) * + , - . / : ; < = > ? @ [\ ] ^ _ ` { | } ~

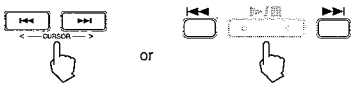
c) Press the ENTER button to enter the character.
The next position prompts for entry of the next character.



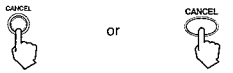
d) Repeat the above steps until you finish the entry.
You can enter up to 32 characters.

To delete a character:

1. Using the |◄◄ / ►►| buttons, move the blinking cursor to the character to be deleted.



2. Press the CANCEL button.



To correct an incorrect character:

1. Using the |◄◄ / ►►| buttons, move the blinking cursor to the incorrect character.
2. Press the CANCEL button to delete the incorrect character.
3. Enter the correct character by following the procedure above.

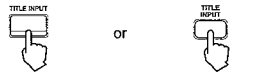
To insert a character:

1. Using the |◄◄ / ►►| buttons, move the blinking cursor to the character before which a new character is to be inserted.
2. Enter the character to be inserted by following the procedure above.

To delete (cancel) all characters:

Press the ■ (STOP/CLEAR) button on the front panel or the CLEAR button on the remote control.

4. Press the TITLE INPUT button.

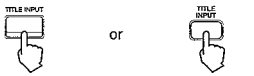


(Remote control)

The disc title is stored and "PERFORMER" lights instead of "DISC TITLE" on the display, The leftmost disc information area blinks, prompting for character entry of the performer name.

5. Enter the performer name by following the "How to enter characters" on the previous page.

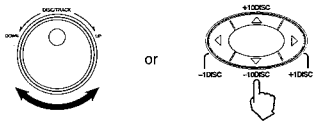
6. Press the TITLE INPUT button.



(Remote control)

The performer name is stored and "GENRE" lights instead of "PERFORMER" on the display, and the display shows "NO DATA".

7. Select a genre from the preset genres shown below using the jog dial on the front panel or the ◁/▷/△/▽ buttons on the remote control.



(Remote control)

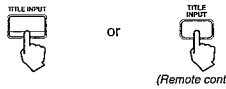
Pressing the △/▽ buttons jumps to the 5th genre forward/backward from the genre currently displayed.

[Preset genres]

ADULT CONTEMPORARY
ALTERNATIVE ROCK
CHILDRENS MUSIC
CLASSICAL
CONTEMPORARY CHRISTIAN
COUNTRY
DANCE
EASY LISTENING
EROTIC
FOLK
GOSPEL
HIP HOP
JAZZ
LATIN
MUSICAL
NEW AGE
OPERA
OPERETTA
POP MUSIC
RAP
REGGAE
ROCK MUSIC
RHYTHM EFFECTS
SOUND EFFECTS
SOUND TRACK
SPOKEN WORD
WORLD MUSIC

NOTE: • You cannot create a genre.
• Pressing the ■ (STOP/CLEAR) button on the front panel or the CLEAR button on the remote control in step 7 cancels the genre selection and the display shows "NO DATA".

8. Press the TITLE INPUT button.



(Remote control)

NOTE: You cannot change the Disc title, Performer and Genre recorded in a CD Text disc. However, you can specify them manually if they are not recorded in a CD Text disc.

To cancel the TITLE INPUT function, do either of the following:

- Press the TITLE INPUT button until the TITLE INPUT indicator disappears from the display.

NOTE: If the power is completely turned off by unplugging the power cord, memorized disc information will disappear in a few days.

SEARCHING FOR A DISC

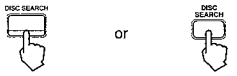
You can search for a disc you want to listen to using the Title information: Disc title, Performer or Genre.

For a normal CD, Title information can be stored manually by following the procedures in "Storing Title information" on page 15.
For a CD Text disc, by reading its pre-recorded disc information, the unit memorizes Disc title, Performer and Genre information.

NOTE • You can operate the search function not only while playback is stopped but also during playback.
• You can manually specify the Disc title, Performer or Genre of a CD Text disc if it is not recorded in the disc.

How to search for a disc

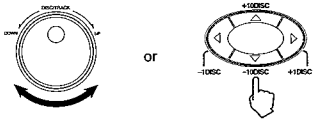
1. Press the DISC SEARCH button.



(Remote control)

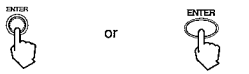
"DISC SEARCH" and "DISC TITLE" light on the display, indicating that a disc will be searched by the Disc title.

2. If you want to search for a disc by the Performer name or Genre, use the jog dial or ◁/▷ buttons on the remote control to show "PERFORMER" or "GENRE" on the display, instead of "DISC TITLE".
(If you search for a disc by the Disc title, skip this process.)



(Remote control)

3. Press the ENTER button.



(Remote control)

- When searching by Disc title or Performer
The disc information area on the display prompts for entering the first character of the string to be searched for.
- When searching by Genre
The disc information area shows "ADULT CONTEMPORARY".

4. Specify the search criterion.

- When searching by Disc title or Performer
Enter the first character of the string to be searched for.
See "How to enter characters" on page 15 for the procedures.
- When searching by Genre
Select the genre by using the jog dial or ◁/▷/△/▽ buttons on the remote control.

5. Press the ENTER button.

The disc search function is executed.
Then the information of the disc found is shown in the disc information area on the display.

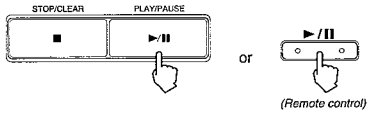
NOTE: • If more than one corresponding discs are found, the information of the disc with the smallest disc number among the discs found is shown (see the next step).
• If no corresponding disc is found, "NO RESULT" appears on the display.

When searching by Disc title or Performer
The Disc title or Performer name respectively, as well as the disc number, is shown.

When searching by Genre
The Performer name, as well as the disc number, is shown.

6. Use the jog dial or ◁/▷/△/▽ buttons to show the information of the other discs found.

7. To play back the disc shown on the display, press the ►/II button.



(Remote control)

To quit the disc search function
Press the DISC SEARCH button.

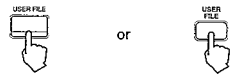
USER FILE

You can enroll discs in the unit to 8 user files. While a user file is recalled, pressing the ►/II button starts playback of the discs in the file in the enrolled order. You can enroll up to 32 discs to each user file and assign a name to it.

NOTE: You can operate with the user file while playback is stopped regardless of the three main playback modes (CONTINUE, ONE DISC and PROGRAM).

Enrolling a disc to a user file

1. Press the USER FILE button while playback is stopped.



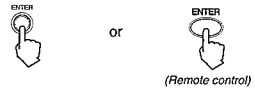
   On the display, the "USER FILE" indicator lights and the user file number is shown as "U. FILE 1", while the disc information area shows "USER FILE 1" (or the specified name if you have already assigned a name to the user file).

2. Select a user file between 1 through 8, into which you enroll the disc by pressing the USER FILE button as many times as required.

   Each press changes the shown user file name (number) on the display.

3. Select a disc to be enrolled.
   See "2 Selecting a disc" on page 8 about how to select a disc.

4. Press the ENTER button.



   The disc is enrolled into the selected user file.

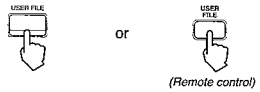
NOTE: • To cancel the enrollment, press the CANCEL button.
• A disc can be enrolled to more than one user file.

5. Repeat 3. and 4. above if you want to enroll more than one disc.

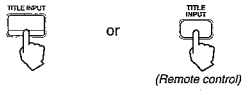
To exit the USER FILE function, de either of the following:
- Press the USER FILE button until the "USER FILE" display disappears on the display.
- Press the PLAY MODE button on the front panel, or the "CONTINUE", "ONE DISC" or "PROGRAM" button on the remote cotrol.

Assigning a user file name

1. Press the USER FILE button as many times as required until the user file to which you want to assign a name is shown.

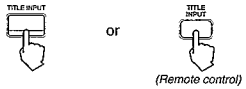


2. Press the TITLE INPUT button.



3. Enter a name by following the procedures in "How to enter characters" on page 15.

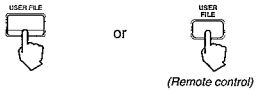
4. After entering a name, press the TITLE INPUT button.



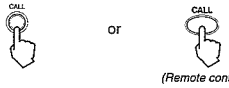
NOTE: A user file name cannot exceed 32 characters.

Checking user file contents

1. Press the USER FILE button as many times as required until the user file you want to check is selected.



2. Press the CALL button.



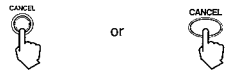
   The disc title first enrolled in the file is shown on the display.

3. Each press of the CALL button changes the shown disc title in the user file in the enrolled order.

Deleting a disc from the user file

1. Call the disc to be deleted by following the procedures described in "Checking user file contents".

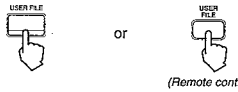
2. Press the CANCEL button.



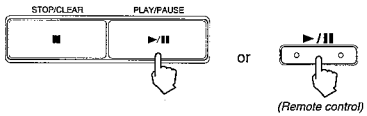
NOTE: • If you want to delete the disc just enrolled, you do not need to press the CALL button because the disc title is shown on the display.
• To clear all the user file contents, delete discs enrolled in the user file one by one.
• Turning the power completely off by unplugging the power cord clears the user file contents in a few days.

Playing back all discs in a user file

1. Press the USER FILE button as many times as required until the desired user file is selected.



2. Press the ►/II button.
   Playback of the discs in the user file starts in the enrolled order.



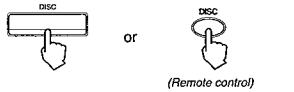
NOTE: The REPEAT function can be used when playing back the user file.

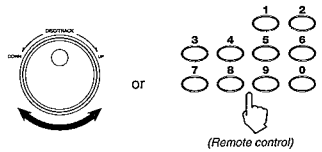
RESERVE FUNCTION

You can reserve the following tunes to be played back while listening to music, without interrupting your enjoyment.
The reserve function is available only in the CONTINUE mode.

Reserving the following tunes to be played back

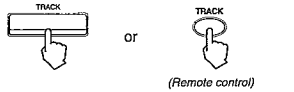
1. Select the disc during playback in the CONTINUE mode, by pressing the DISC button then using the DISC/TRACK jog dial on the front panel or the numeric buttons on the remote control.

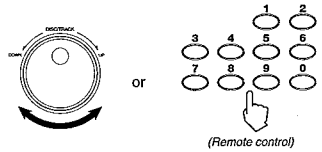




See "2 Selecting a disc, Method 1" on page 8 about how to select the disc.

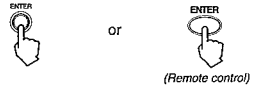
2. Select the track by pressing the TRACK button then using the DISC/TRACK jog dial on the front panel or the numeric buttons on the remote control.





See "3 Selecting a track, Method 1" on page 9 about how to select the track.

3. Press the ENTER button.



The "RESERVE" indicator lights on the display.

4. Repeat steps 1 through 3 above if you have more than one tune to be reserved.

Pressing the ■ button stops playback, while also clears the reserved tunes and exits the reserve function.

NOTE:
- Each reserved track is deleted after it is played back, while each reserved step of the reserve function is retained.
- Because you can reserve tunes anytime you are enjoying listening, you do not have to specify all the tunes you are going to listen to in advance. You can add tunes at any time.
- Up to 32 tracks can be reserved.
- Just pressing the ENTER button during playback reserves the current track.
- Selective playback functions (Repeat, Random or Intro) are canceled when a track is reserved.
- After finishing the playback of the reserved tunes, the unit returns to the normal CONTINUE mode and continues playback, while the "RESERVE" indicator will disappear.
- You can also reserve tunes while the playback is stopped.
  In that case, you can check or edit the reserved tunes by the same way as checking or editing the programmed tunes in the PROGRAM mode.

TEXT COMPU LINK SYSTEM

Using the XL-MC334BK with JVC's amplifier/receiver and/or MD recorder equipped with the TEXT COMPU LINK remote control system offers the following advantages.

TEXT COMPU LINK

With JVC's amplifier/receiver

- Information display on the TV monitor
  By connecting the amplifier/receiver to the TV monitor, you can see the disc or User file information, or the search result at once on the TV monitor.
- Entering characters easily
  By connecting the amplifier/receiver to the TV monitor, you can enter the Title information easily using the TV monitor.

With JVC's MD Recorder

- Copying the disc information to MD
  You can copy the track title information of a CD text disc to an MD together with the audio by using the Synchro recording functions.

NOTE: Refer to the instruction manual of the amplifier/receiver or MD recorder for the details on how to use the TEXT COMPU LINK.

COMPU LINK-3 REMOTE CONTROL SYSTEM

The COMPU LINK system, which is a remote control system developed by JVC, links JVC audio components to establish systematized operation control of the linked components.

COMPU LINK Component

NOTE: There are three versions of the COMPU LINK system: COMPU LINK-1, -2, and -3. Although they are basically compatible, some functions may not be available with the older versions (refer to the instructions manual of the component for the information).

The COMPU LINK-3 Remote Control System provides the following functions:

Automatic power on/off

Turning a linked component on or off will automatically turn the amplifier/receiver on or off.
Selecting a source on the amplifier/receiver will turn on the relevant component.

CAUTION
- Be sure to use the accessory COMPU LINK cable for the connection.
- The operation may be disrupted if the power supply to a component is interrupted, in which case turn off all linked components and turn them on again.

Automatic source selection

Selecting a source on the connected amplifier/receiver will automatically turn on the relevant component and start its operation. Starting a linked component will automatically select the relevant source on the amplifier/receiver.

Synchronized recording

This function is effective when a JVC cassette deck is linked in the COMPU LINK system, allowing simple, synchronized recording.

NOTE: Refer to the instruction manual of your cassette deck for details of the synchronized recording.
Some functions are disabled in order to prevent recording troubles during synchronized recording.

HANDLING AND TAKING CARE OF DISCS

Handling compact discs

Protect the disc from being scratched, warped, or damaged in any way — the plastic disc can easily be damaged and the damaged disc disrupts sound reproduction and operation of the player.

Keep every disc in its case

Be sure to keep every disc in its case whenever it is taken out of the player. Placing one disc upon another without putting them in their cases could cause damage.

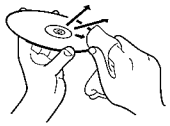
Keep the label side clean

Do not attempt to put adhesive tape or paper nor write anything even on the label side of a disc.

Cleaning compact discs

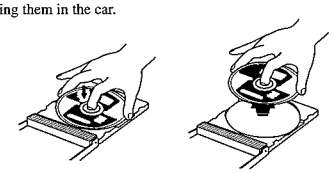
If the underside of a disc is soiled with fingerprints, etc., use a piece of soft, dry cloth and wipe clean the surface from the inside to the outside in straight strokes. If that does not clean the surface, try with a piece of soft cloth moistened with water.

Never use alcohol, record cleaners, or anti-static agents.



Storing compact discs

Do not store compact discs where they may be exposed to direct sunlight or extremes of temperature and humidity. Also, avoid leaving them in the car.



SPECIFICATIONS & PACKING LIST

General

Readable discs:	Audio compact discs
Power requirements:	AC 120V ∿, 60Hz
Power consumption:	12 W (POWER ON), 6.0 W (STANDBY mode)
Mass:	7.8 kg (17.2 lbs)
Dimensions (W x H x D):	435 x 199.5 x 482.5 mm 17-3/16 x 7-7/8 x 19 inch

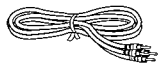
Audio output

ANALOG OUT (pin jack x 2):	2.0 Vrms
OPTICAL DIGITAL OUT:	–21 dBm to –15 dBm

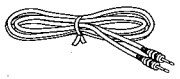
Supplied accessories

The numbers in parentheses indicate quantities

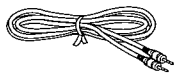
Remote Control (1)
Remote control batteries (2)
Instruction manual (1)
CD booklet file (1)
Audio cord (1)
(red and white)



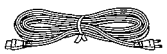
COMPU LINK cord (1)
(black)



TEXT COMPU LINK cord (1)
(green)



AC power cord (1)



TROUBLESHOOTING

What appears to be a malfunction may not always be serious and can easily be corrected. The table below describes some typical problems and their remedies. Check them before calling your JVC dealer.

Symptom	Possible Cause	Remedy
The CD can not be played back.	The CD is not loaded.	Load the disc.
	The CD is not placed in the slot with its label on the left side.	Reload the disc correctly.
	A disc has been placed outside of the loading area.	Specify the slot number and open the disc storage door. Then close the door.
	The CD is damaged.	Replace the disc with a new one.
	The AC power cord is disconnected.	Connect the cord securely.
	The audio cord is disconnected.	Connect the cord securely.
The sound is intermittent or harsh.	The CD is soiled.	Clean the surface using a piece of soft cloth.
	The CD is scratched or warped.	Replace the disc with a new one.
	A piece of paper or adhesive tape is stuck to the CD surface.	Remove it cleanly.
	The audio cord is placed close to the AC power cord.	Separate them.
The remote control does not work properly.	The batteries are run down.	Replace the batteries.
	The remote control is not properly used.	Its maximum range is 7 meters (23 feet) and 30 degrees away from the component.
The component does not operate.	The built-in microcomputer is not properly functioning due to static electricity or other disturbance.	Disconnect the AC power cord and connect it again.

Location of main parts

Top view

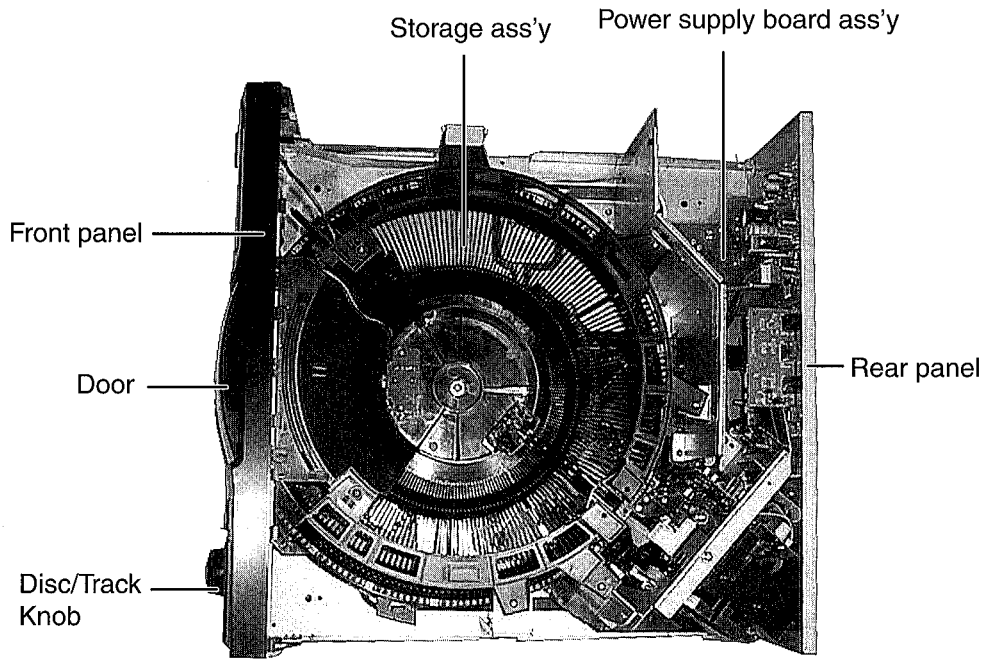


Fig. 1

CD section

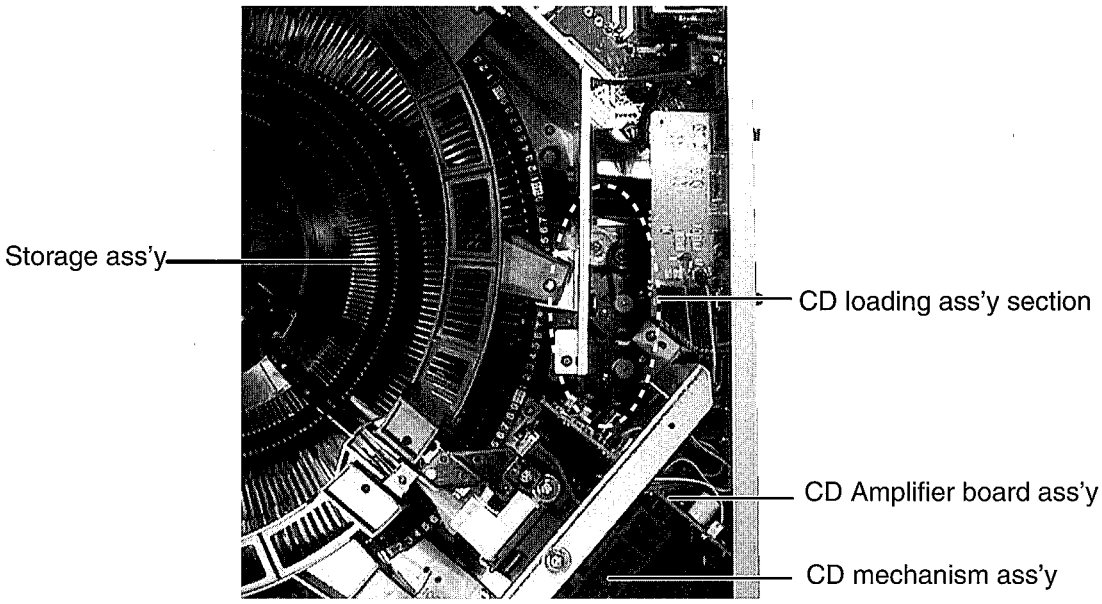


Fig. 2

Disassembly Procedures

1.Top cover removal

1) Remove four screws"A" fastening both the top cover.

2) Remove three screws"B" fastening rear side the top cover.

3) Remove the top cover.

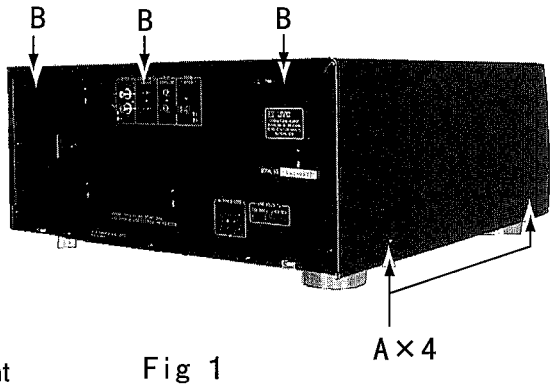


Fig 1

2. Front panel removal

1) Remove the top cover

2) Remove three screws"C" fastening bottom side the front panel assembly.

3) Remove the flat wire.

4) Remove two screws"D" fastening the sensor PCB

5) Release four hooks to remove the front panel assembly.

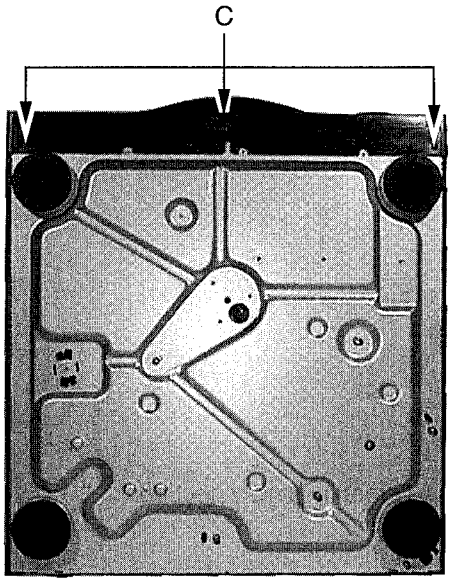


Fig 2

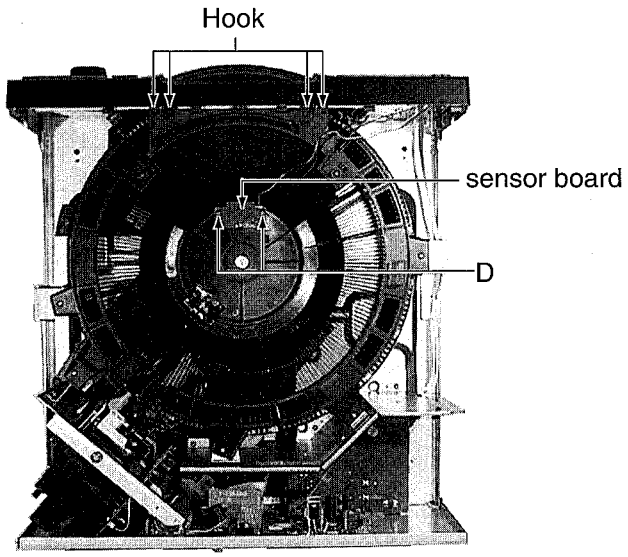


Fig 3

3.Disc storage removal

1) Remove the front panel.

2) Remove seven screws"E" fasting the disc guard(L) and disc guard(R)

3) Release hook to remove the disc guard.

4) Remove two screws"F" fasting the loading guide.

5) Remove screw"H" fastening the safety cover to remove it.

6) Remove the disc storage.

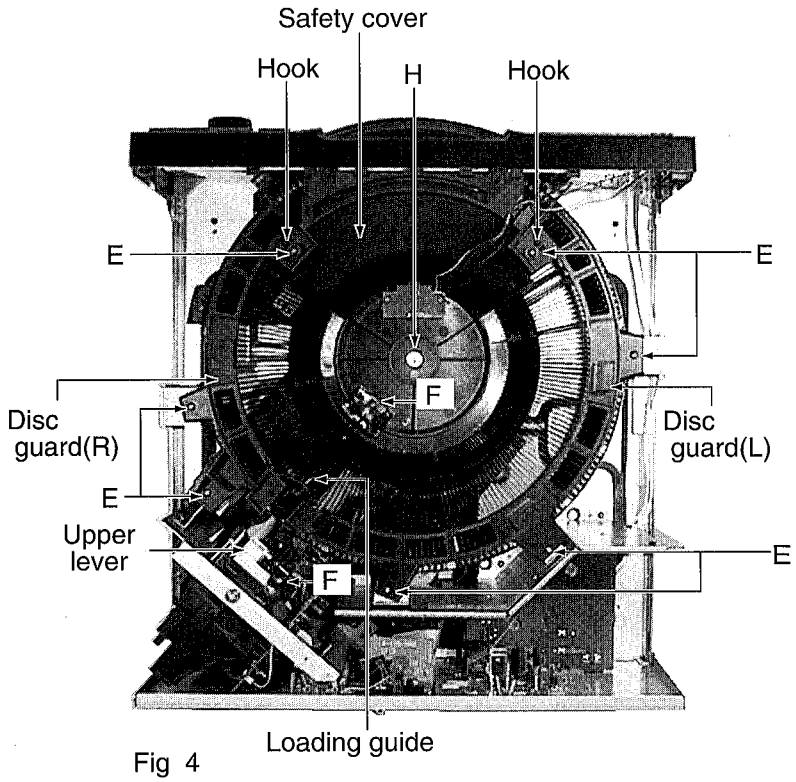


Fig 4

4.Center storage removal

1) Remove the disc storage.

2) Remove eight screws"I" fastening the support bracket to remove it.

3) Remove twenty four screws"J","K" fastening the center storage to remove it.

* twenty screws"K" is except "I""J" (Fig 5)

5.Center storage assembly

1) Tighten four screws"J"

2) Mount the support bracket by 8screws"I" and then drive twenty screws "K".

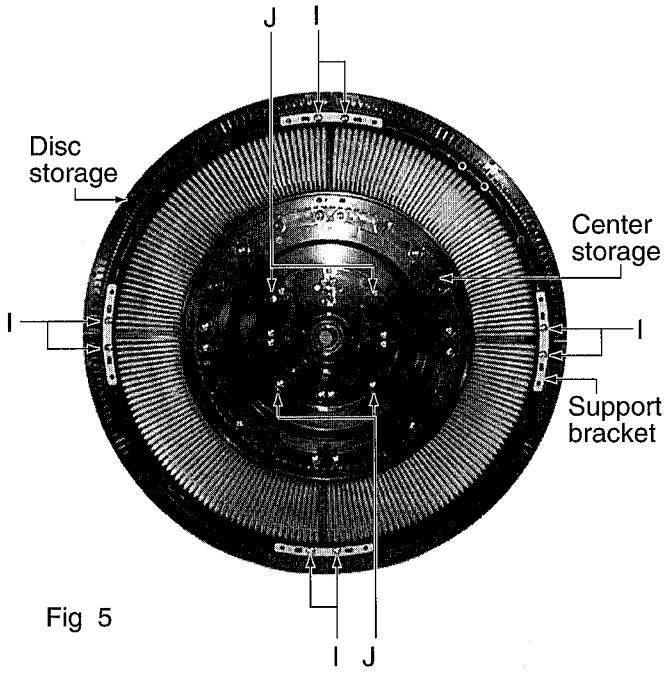


Fig 5

6.Raer panel removal assembly

1) Remove the top cover

2) Remove six screws"L"fasting the rear panel to remove it.

3) Remove tow panels fastening the both side on the rear panel.

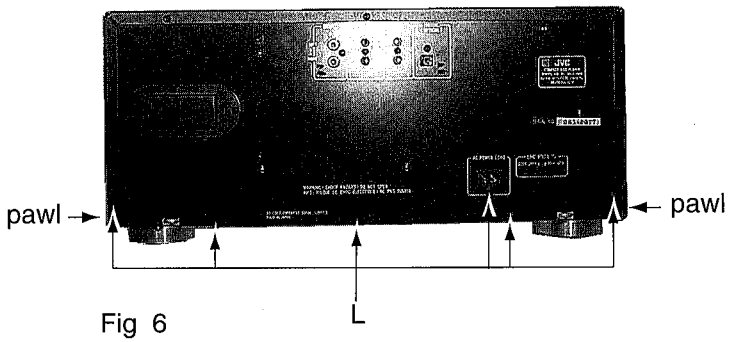


Fig 6

7.Micro computer PCB (Main board) removal

1) Remove the rear panel assembly.

2) Disconnect the connectors (CN611,CN904, CN906,CN901,CN101,CN711,CN713) to remove the micro computer PCB.

8.Main gear removal

1) Remove the disc storage.

2) Release hook to remove the door lock.

3) Release hook to remove the ST. lock lever.

4) Remove screw"M" fastening the wheel gear to remove it.

5) Remove screw"N" fastening the main gear to remove it.

9.Door removal

1) Remove the main gear.

2) Release hook to remove the door.

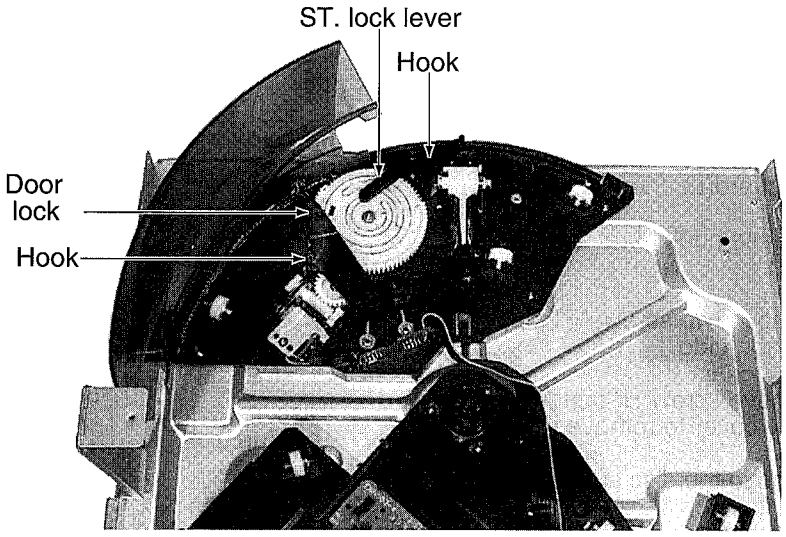


Fig 7

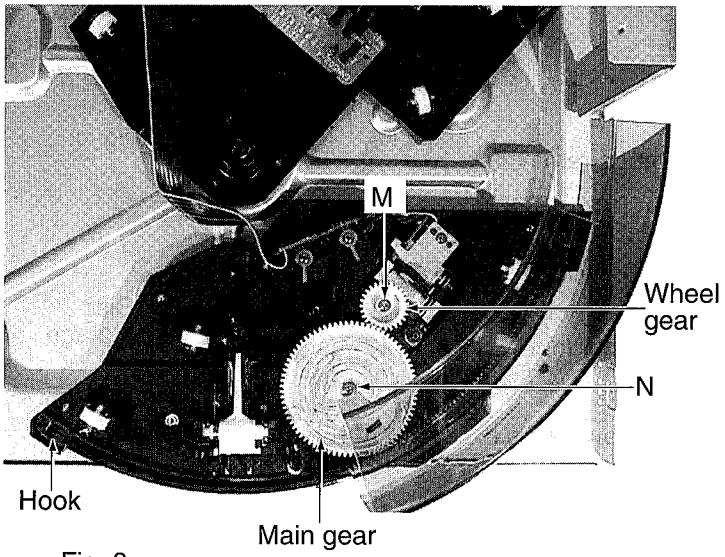


Fig 8

10.Mounting and operation check of the main gear

1) Move the slide cam to the backward end.

2) Mount(by screws)the main gear search that the rectangular window faces in the direction shown in figure 9.

3) Make sure that the pop up lever rises when the main gear is rotated counterclockwise by 1/4 turn.

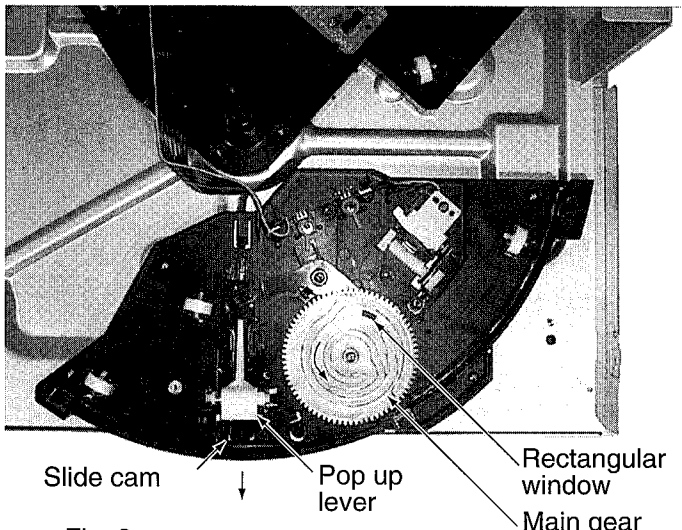


Fig 9

11.Mounting the door

1) Fully turn the main gear clockwise.

2) Insert the door in the groove of the base and slide it to a point just in front of main gear.

3) Mesh the door gear with the main gear(see Figure 10).

4) Slide the door further to a point where four to five teeth are kept disengaged.

5) Mount(by screws)the wheel gear.

6) Mount the ST.lock lever and door lock at specified positions(see Figure 11)

Align the first tooth of the door at"*"mark

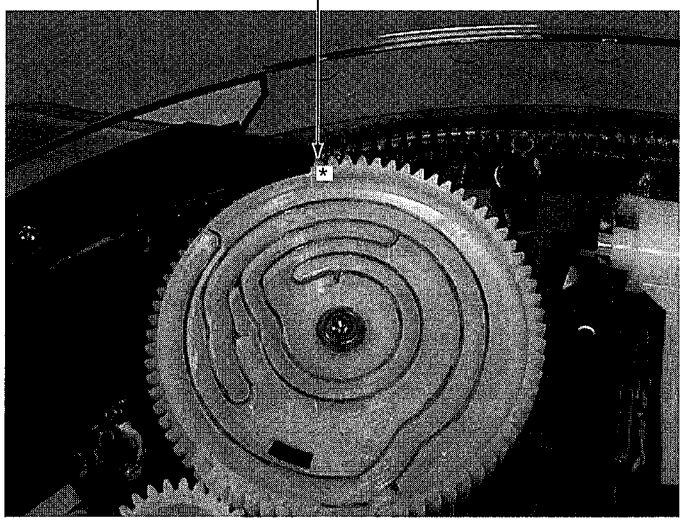
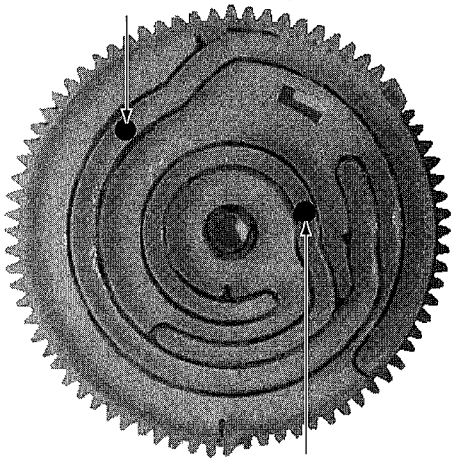


Fig 10

Where to insert door lock
(the position after mounting the door)



Where to insert ST.lock lever
(the position after mounting the door)

Fig 11

12.CD mechanism assembly removal

1) Remove the disc storage.

2) Remove the rear panel.

3) Remove three screws "O" fastening the drop proof bracket to remove it.

4) Disconnect the connectors (CN601,CN602,CN604,CN606)

5) Remove screw fastening the CD amplifier PCB to remove it.

6) Remove four screws "P" fastening the CD mechanism assembly.

7) Rotate gear "A" in the direction of the arrow until the loading lever is lowered.

8) Release hook to remove the clamper base.Here be careful not to allow the spring to pop out.

9) Release the shaft to remove the CD mechanism assembly.

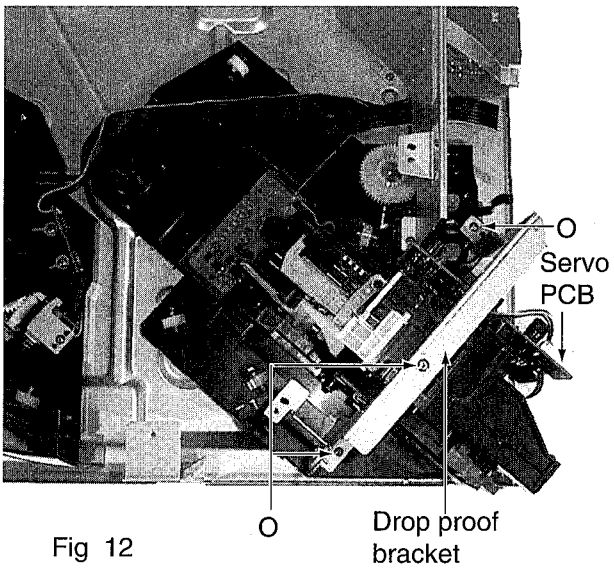


Fig 12

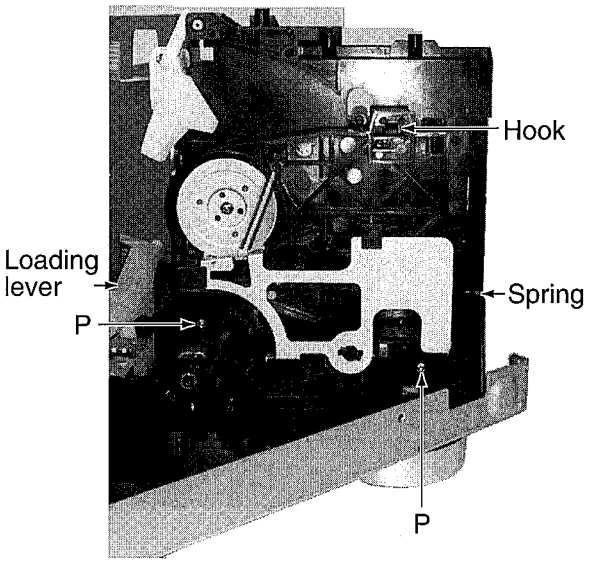


Fig 13

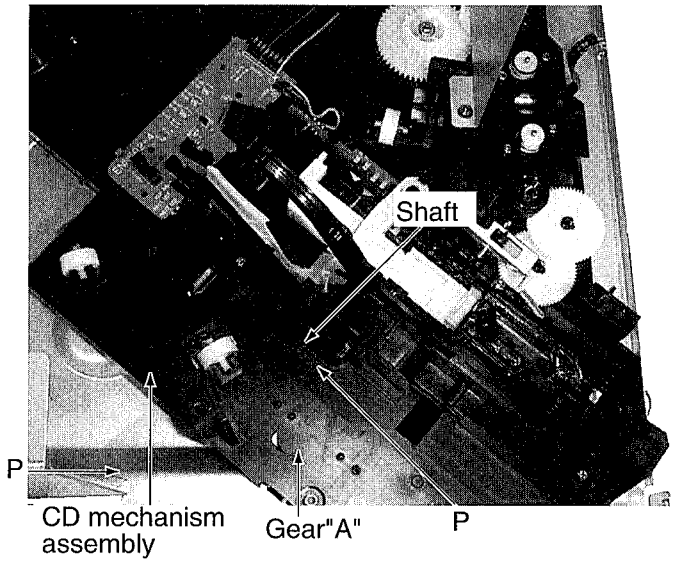


Fig 14

13.Pick up removal

1) Remove the CD mechanism assembly.

2) Release hook to remove the traverse mechanism unit.

3) Remove the three screws "Q" fastening the insulator bracket to remove it.

4) Remove the two spacers.

4) Release two hooks to remove the traverse mechanism unit from insulator.

5) Release the shaft to remove the pick up.

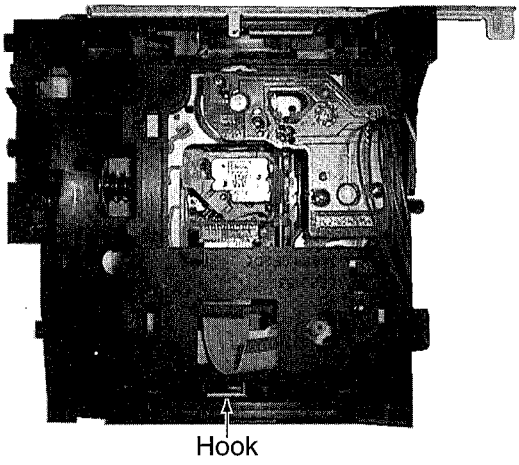


Fig 15

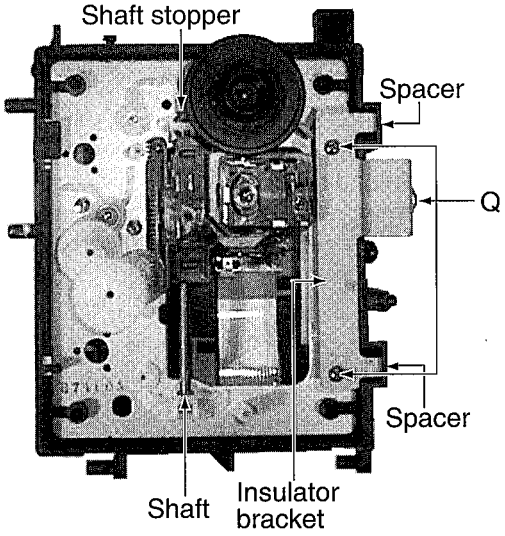


Fig 16

14.Lever base assembly removal

1) Remove the CD mechanism assembly.

2) Release hook to remove the lock lever.

3) Remove 3screws "R" fastening the lever base assembly.
*Be also careful not to lose the roller.

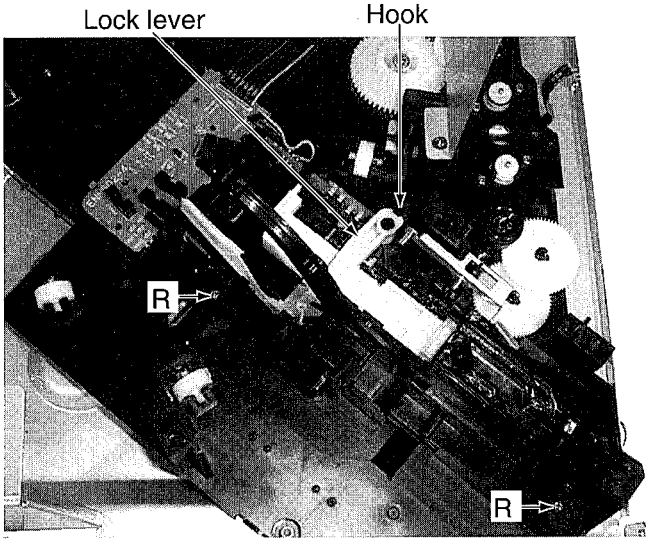


Fig 17

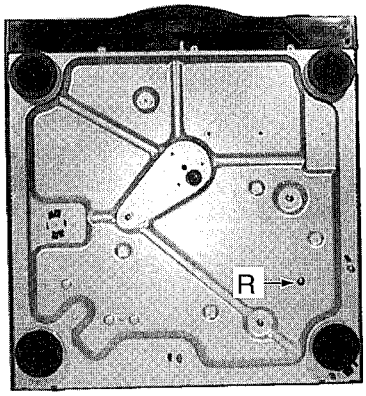


Fig 18

15.Assembling the lever base assembly

1) According to Figure 19,move the cam to specified position "a".

2) With the loading lever slightly raised,insert the roller in groove"b"of the lever base.

3) Tighten three screws"R".

Operation check

1) After parts other then the belt are all mounted,check operation.

2) Make sure that both LOADING and UNLOADING switches turn ON when the cam is moved back and forth. (see Figure 19)

3) The unloading lever shall be at the position shown in Figure 21.

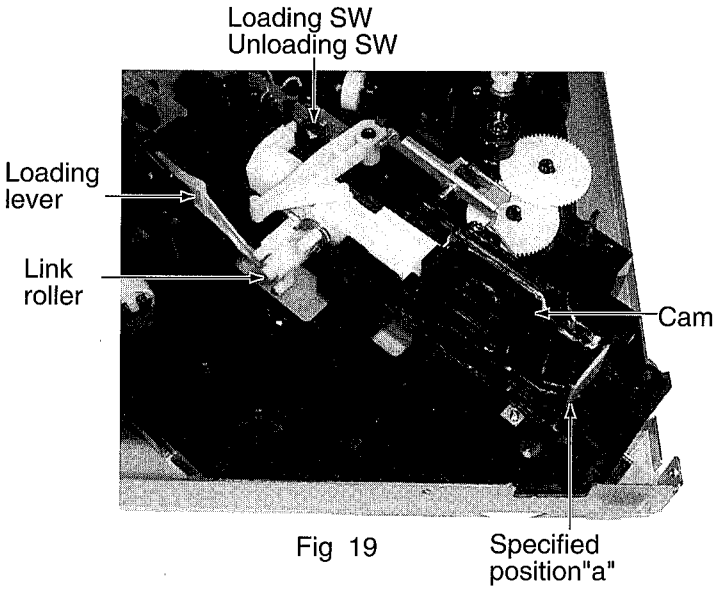


Fig 19

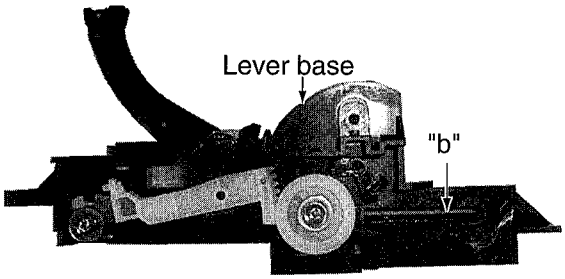


Fig 20

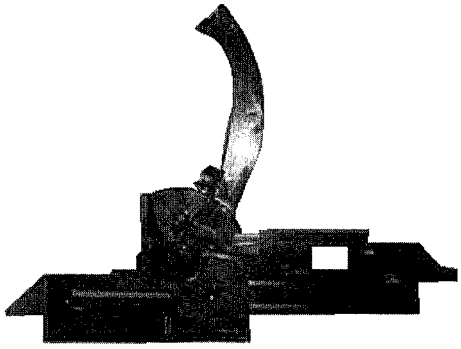


Fig 21

16.CAM removal

1) Removal the lever base assembly.

2) Removal screw"S" fastening the cam cover to remove it.

3) Release the spring to remove the loading lever
*Be also careful not to lose the link roller.

4) Release hook to remove the link lever.

5) Release hook to remove the load link.

6) Release hook to remove the CAM.

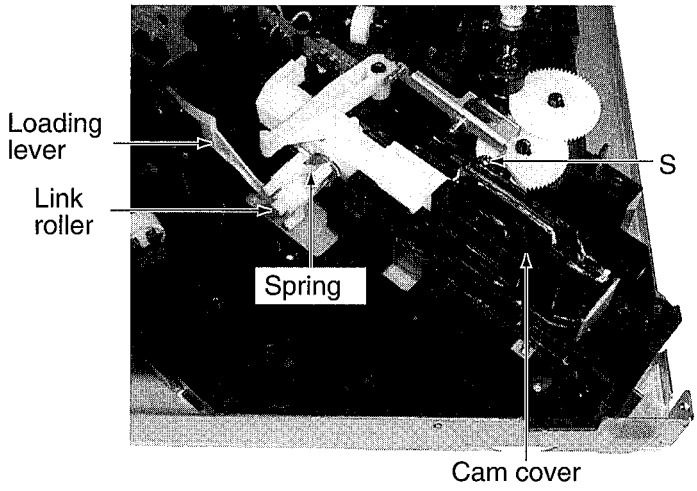


Fig 22

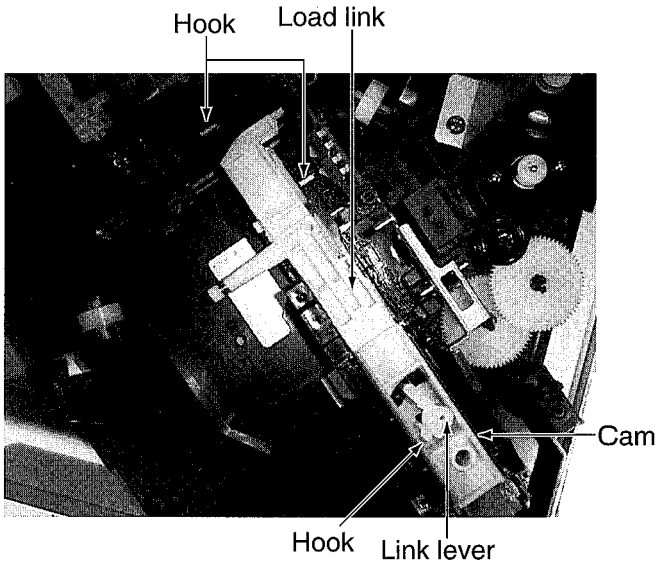


Fig 23

17.Assembling the loading lever

1) According to Figure 24 ,mount the spring on the loading lever.

2) Insert it in the loading link in the direction shown in Figure 24.Here hook the spring on the claw of the loading link.(This operation shall carefully be done so that the lever is not lifted,for example,by pinching the spring between the link the lever.)

3) Rotate the lever counterclockwise and insert it in the mechanical base. Temporarily fix the lever by cellophane tape or the like.

4) Be careful in doing this that the lever repels under spring force.

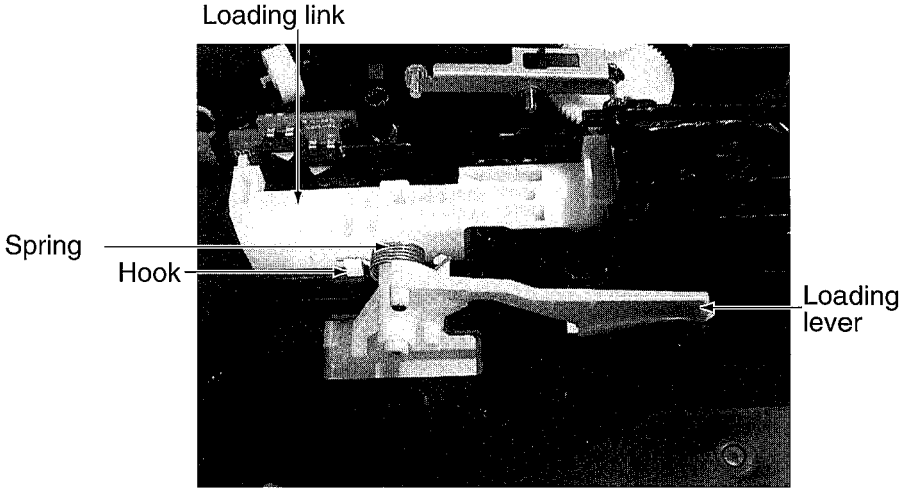


Fig 24

18.Assembling the cam

1) Let the arrow marked face in Figure 25 under mechanical bases "c" and "d" and then the rib of mechanical base "f" in the groove of mechanical base "e".then slide it to the rectangular window mechanical base "g" according to Figure 27.

2) Align the cam at this position.

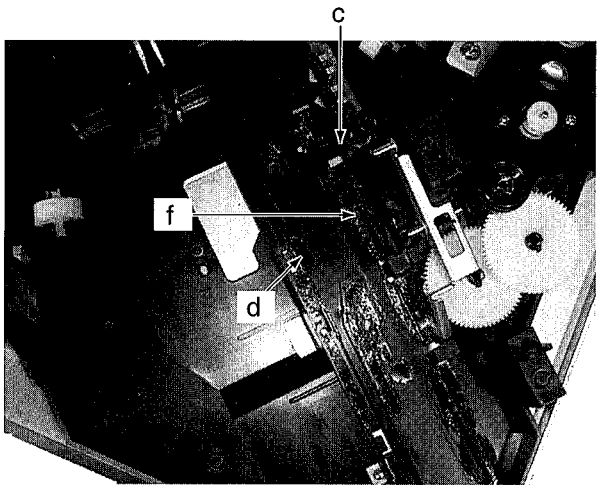


Fig 25

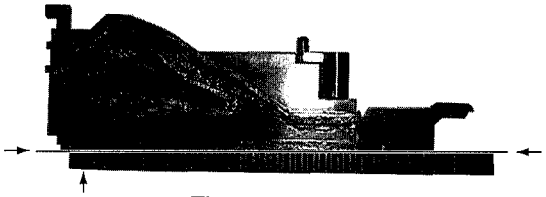


Fig 26

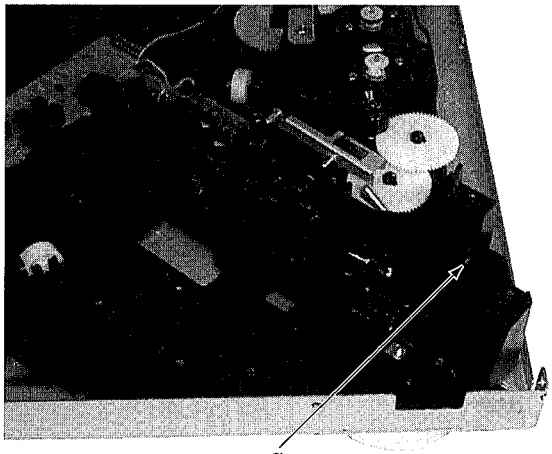


Fig 27

Fig 28

Flow of Functional Operation Until TOC Read

Power ON → Power Key → Slider turns REST SW ON.

Check Point: Check that the voltage at the pin17 of CN604 is 0V (a moment)?

Automatic tuning of TE offset

Laser ON → Check that the voltage at the pin3 of IC601 + side is + 5V?

Detection of disc

Automatic tuning of Focus offset

Automatic measurement of Focus A-curve amplitude → Confirm that the Focus error S-cuve signal at the pin27 of IC601 is approx.2Vp-p

Disc is rotated → Confirm that the signal from pin24 IC603 is 0V as a accelerated pulse during approx.400ms.

Focus servo ON (Tracking servo ON)

Automatic measurement of Tracking error amplitude → Confirm the waveform of the Tracking error signal at the pin25 of IC601 (R612) (See fig-1)

Automatic tuning of Tracking error balance

Automatic tuning of Focus error balance

Automatic tuning of Focus error gain

Automatic tuning of Tracking error gain

TOC reading → Confirm the eys-pattern at the lead of TP1

Play a disc

■ Tracking error waveform at TOC reading

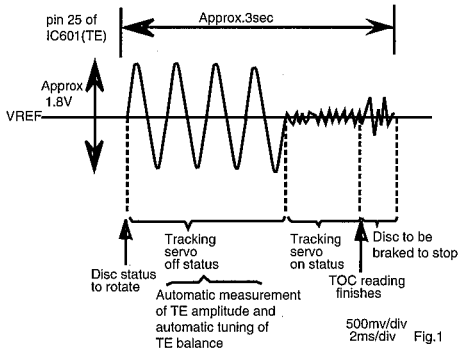
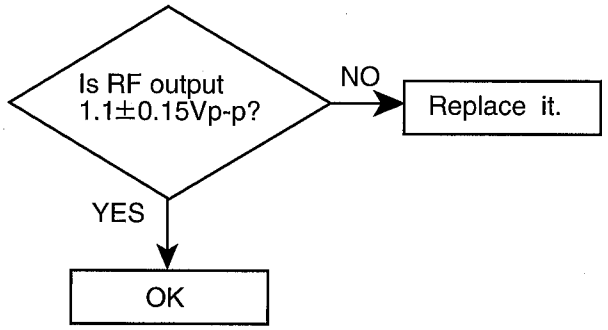


Fig.1

Maintenance of Laser Pickup

(1) Cleaning the pick up lens
Before you replace the pick up, please try to clean the lens with a alcohol soaked cotton swab.

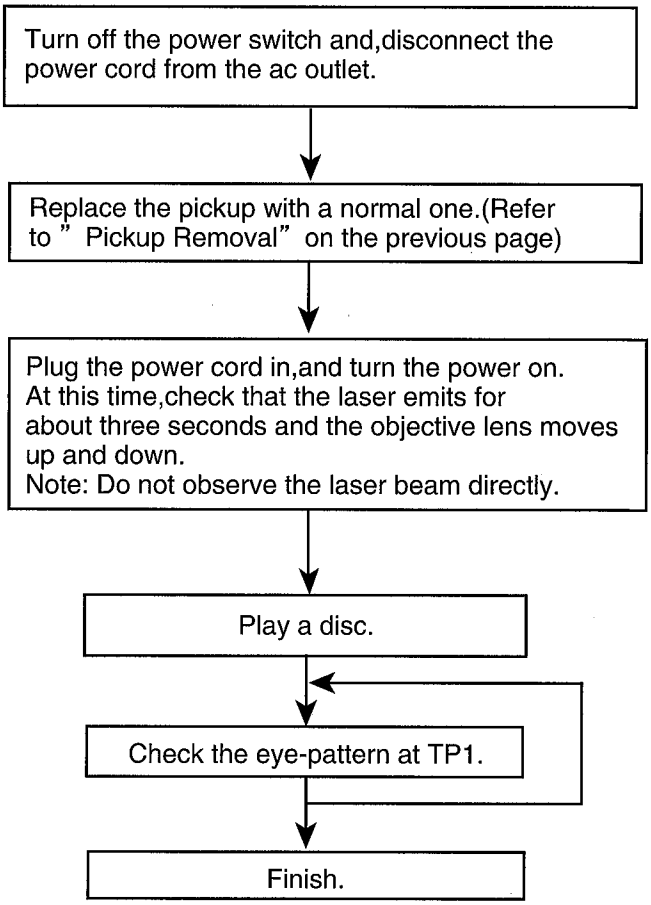
(2) Life of the laser diode (Fig.1)
When the life of the laser diode has expired, the following symptoms will appear.
(1) The level of RF output (EFM output:amplitude of eye pattern) will below.



(Fig.1)

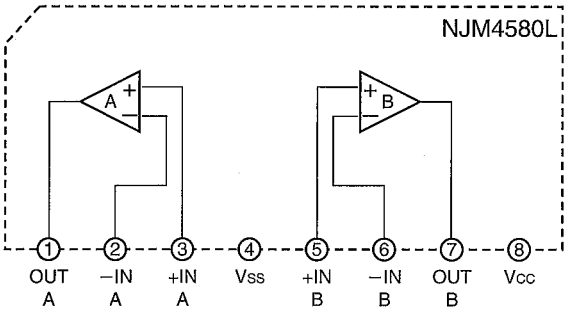
(3) Semi-fixed resistor on the APC PC board
The semi-fixed resistor on the APC printed circuit board which is attached to the pickup is used to adjust the laser power.Since this adjustment should be performed to match the characteristics of the whole optical block, do not touch the semi-fixed resistor.
If the laser power is lower than the specified value,the laser diode is almost worn out, and the laser pickup should be replaced.
If the semi-fixed resistor is adjusted while the pickup is functioning normally,the laser pickup may be damaged due to excessive current.

Replacement of Laser Pickup

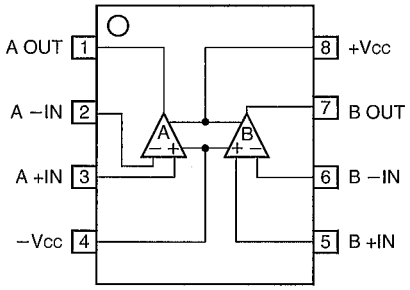

Turn off the power switch and,disconnect the power cord from the ac outlet.
Replace the pickup with a normal one.(Refer to " Pickup Removal" on the previous page)
Plug the power cord in,and turn the power on.
At this time,check that the laser emits for about three seconds and the objective lens moves up and down.
Note: Do not observe the laser beam directly.
Play a disc.
Check the eye-pattern at TP1.
Finish.

Description of Major ICs

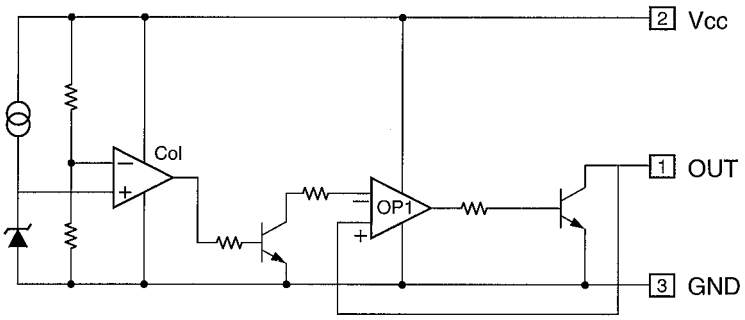
■ NJM4580L(IC801,802) : Dual OP Amp.



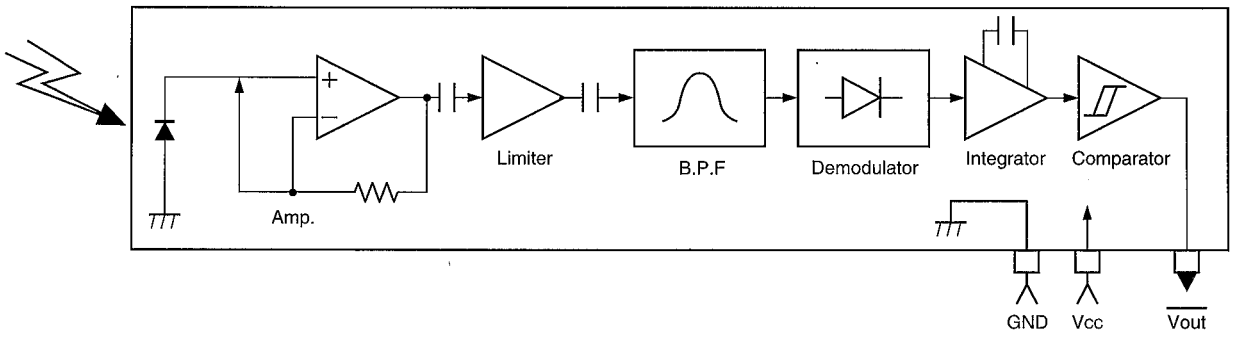
■ NJM4580E(C604) : Dual OP Amp.



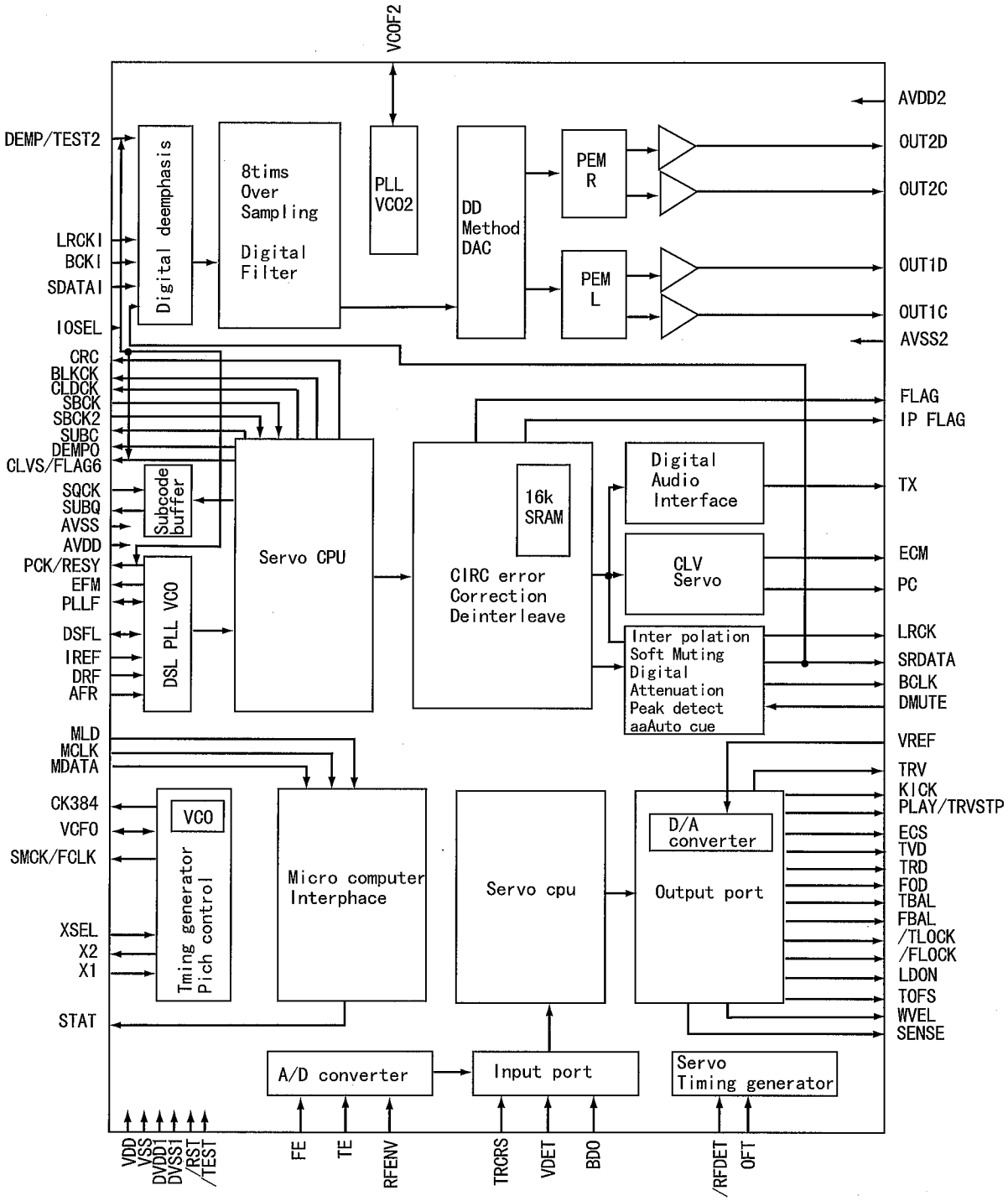
■ PST9140T(IC202) : Reset



■ GP1U281X(IC702) : Receiver for remote controller



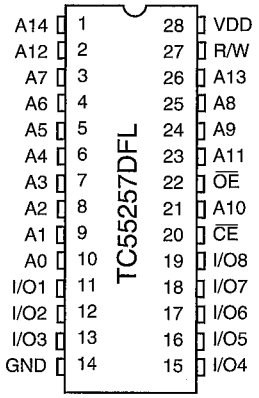
MN35511(IC603)

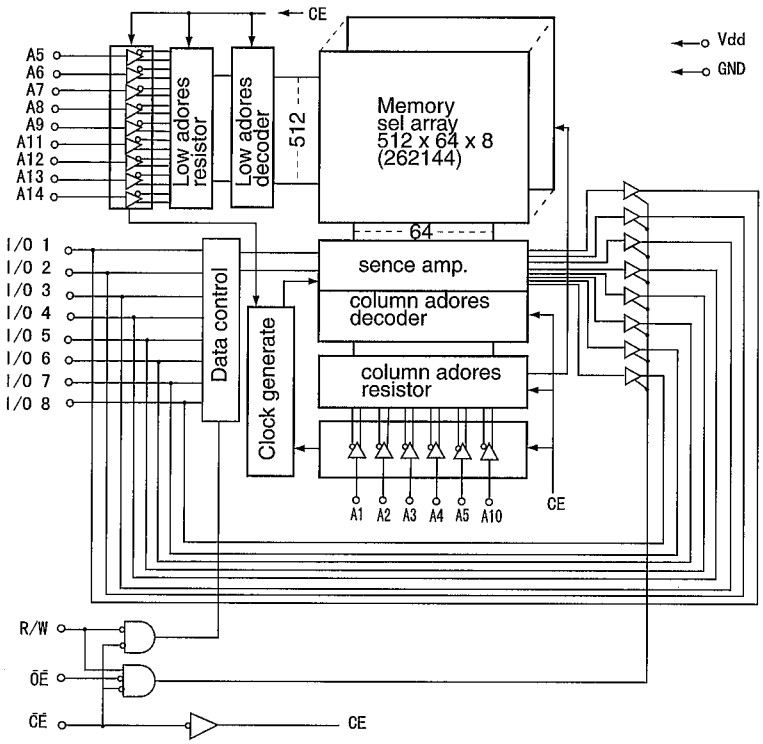


MN35511

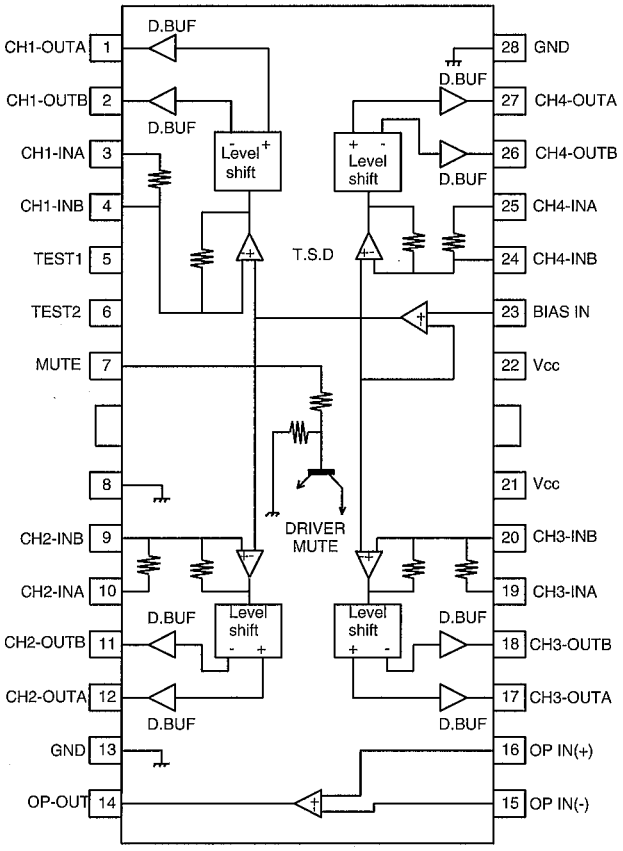
Pin No.	Symbol	I/O	Function and operations	Pin No.	Symbol	I/O	Function and operations
1	BCLK	O	Not used	41	TOFS	O	Not used
2	LRCK	O	Not used	42	PLAY/TRVSTOP	O	Not used
3	SRDATA	O	Not used	43	WVEL	O	Not used
4	DVDD1	I	Digital Poweer supply	44	ARF	I	RF signal
5	DVSS1	I	Digital Ground	45	IREF	I	Reference courrent input
6	TX	O	Digital Audio interface	46	DRF	I	Bias terminal for DSI
7	MCLK	I	U Com Comand clock signal	47	DSLF	I/O	Loop filter terminal for DSL
8	MDATA	I	U Com Comand Data Input	48	PLLF	I/O	Loop filter terminal for PLL
9	MLD	I	U Com Comand load Input	49	VCOF	I/O	Loop filter terminal for VCO
10	SENSE	O	Not used	50	AVDD2	I	Power supply foe analog
11	/FLOCK	O	Not used	51	AVSS2	I	Analog ground
12	/TLOCK	O	Not used	52	EFM	O	Not used
13	BLKCK	O	Not used	53	PCK/RESY	O	Not used
14	SQCK	I	Outsid clock for sub cord Q	54	FLAG	O	Not used
15	SUBQ	O	Q-data sub cord out put	55	CRC	O	Not used
16	DMUTE	I	Muting input	56	XSEL	I	Connected ground
17	STAT	O	Status signal	57	VSS	I	Connected ground
18	/RST	I	Reset signal input	58	X1	I	X tal oscillation circuuit
19	SMCK/FCLK	O	Not used	59	X2	O	X tal oscillation circuuit
20	CLVS/FLAG6	O	Not used	60	VDD	I	Power supply for X-tal OSC
21	TRV	O	Traverse enforced output	61	VCOF2	O	Connected ground
22	TVD	O	traverse drive output	62	AVSS1	I	Connected Ground for audio
23	PC	O	Not used	63	OUT1C	O	PEM output for 1C
24	ECM	O	Spindle motor drive signal	64	OUT1D	O	PEM output for 1D
25	ECS	O	Spindle motor drive signal	65	OUT2D	O	PEM output for 2D
26	KICK	O	Kick pulse output	66	OUT2C	O	PEM output for 2C
27	TRD	O	Tracking drive output	67	AVDD1	I	Power supply for audio DAC
28	FOD	O	Focus drive output	68	DEMP	O	Not used
29	VREF	I	Reference voltage input for DA	69	CK384	O	Not used
30	FBAL	O	Focus balance control output	70	IOSEL	I	Mode select terminal
31	TBAL	O	Tracking balance control	71	/TEST	I	Test mode setting teminal
32	FE	I	Focus error signal	72	CBCK2	I	Sub-code data read out clock
33	TE	I	Tracking error signal	73	SUBC	O	Comand default time:Sub cord serial output
34	RFENV	I	RF envelope signal	74	SBCK	I	Sub-cord sirial out clock
35	VDET	I	Vibration detect signsl	75	/CLDCK	O	Comand default time:sub cord frameclock signal output
36	OFT	I	Off track signal	76	IPFLAG	O	Interpolation flag signal output
37	TRCRS	I	Track cross signal	77	DEMP1/TEST2	I	Conected ground
38	/RFDET	I	RF detect signal	78	SDAT1	I	Conected ground
39	BDO	I	Drop out signal	79	LRCK1	I	Conected ground
40	LDON	O	Laser ON signal	80	BCK1	I	Conected ground

TC55257DFL(IC402) S RAM



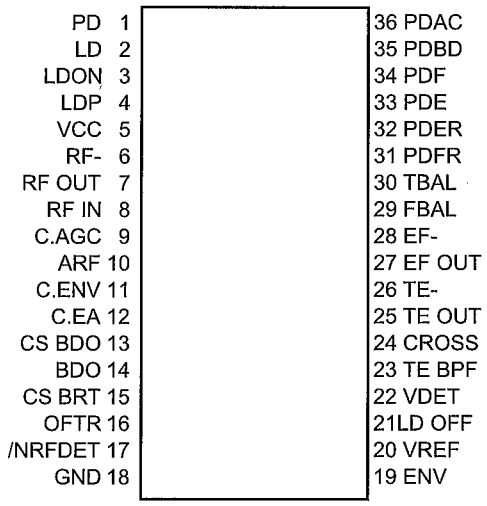


■ BA6897FP(IC602) 4channel driver

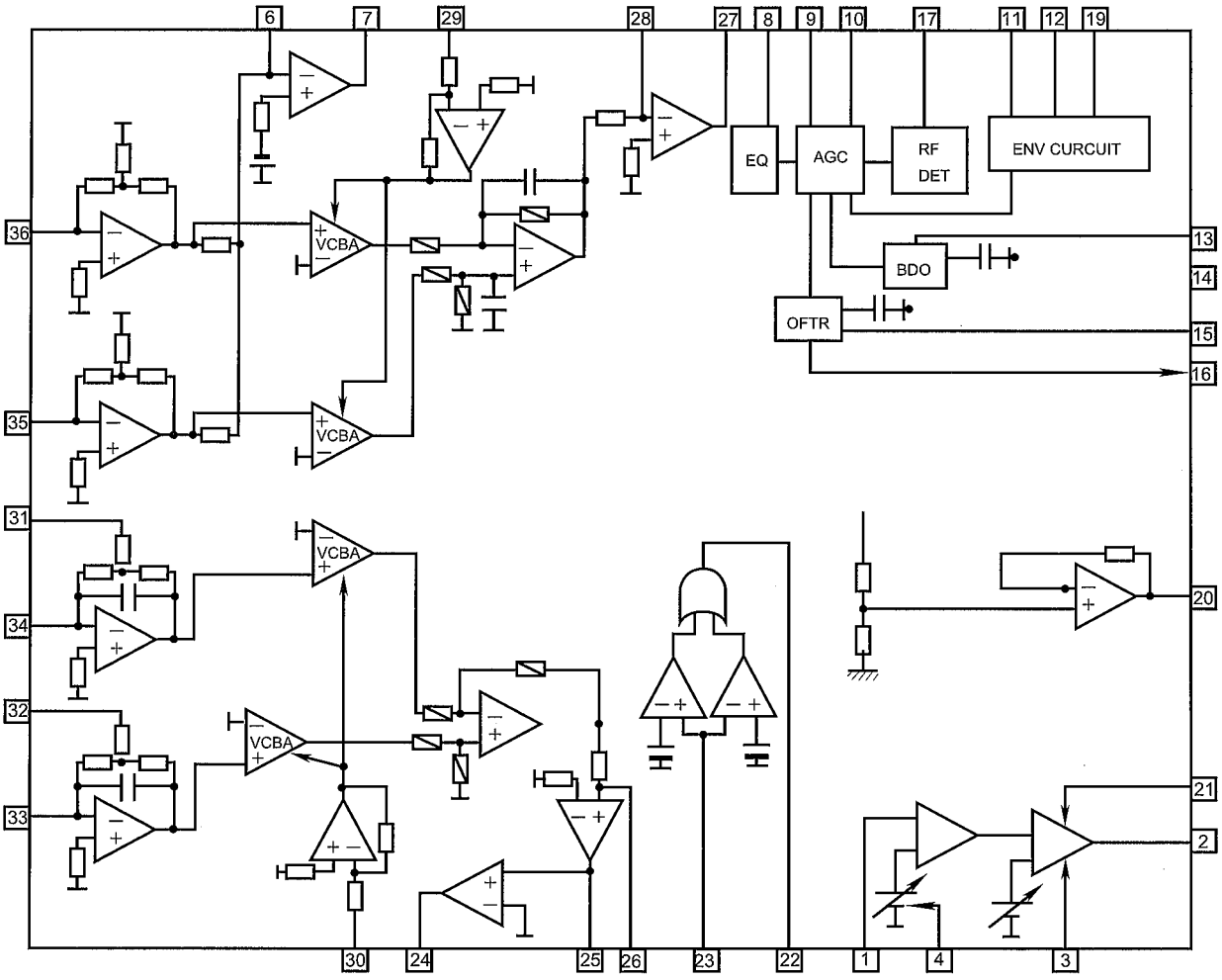


■ AN8806SB(IC601):RF & Servo amp

1.Terminal Layout



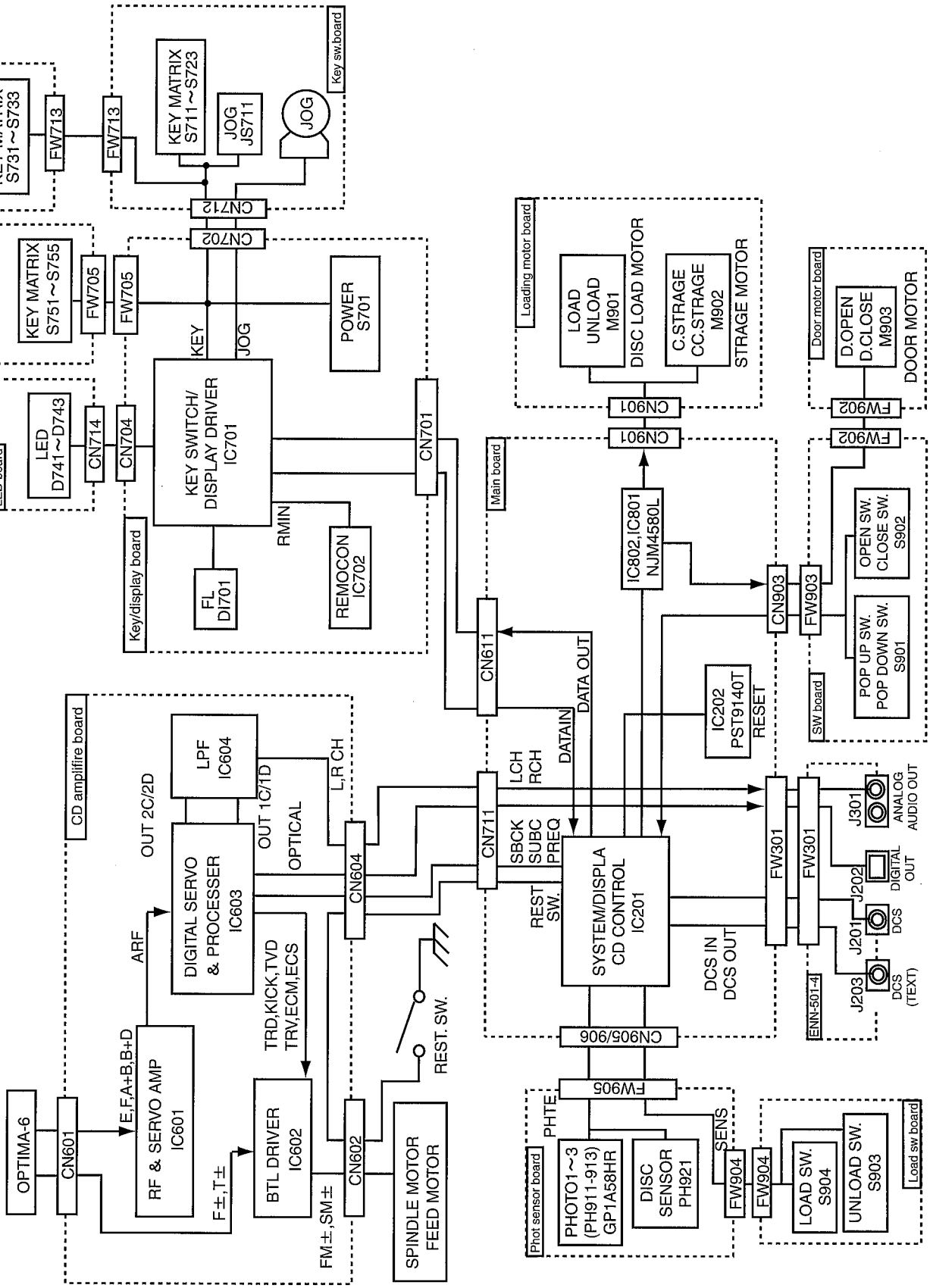
2.Block



3. Functions

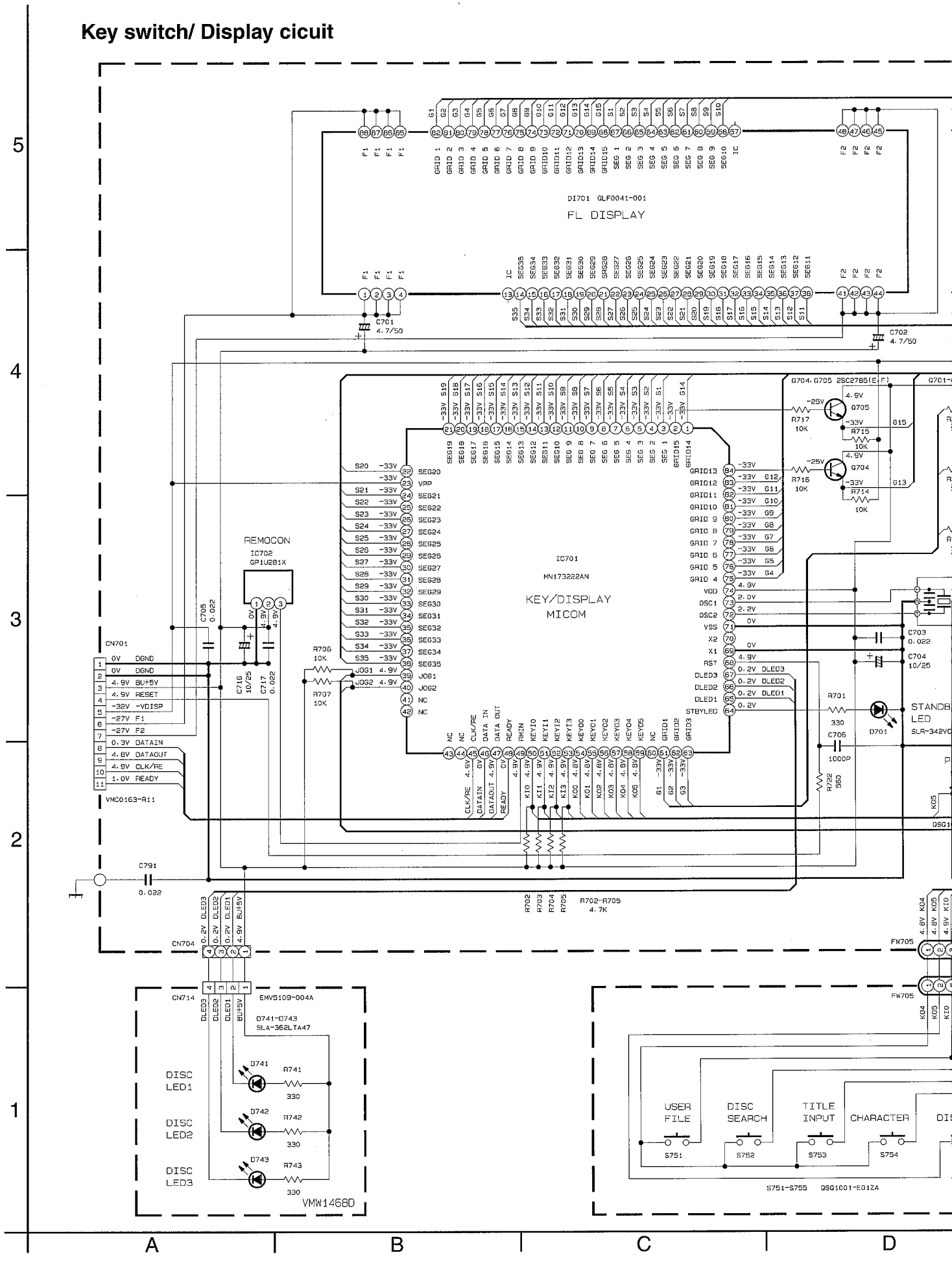
Pin No.	Symbol	I/O	Functions and operations
1	PD	I	APC amp input terminal
2	LD	O	APC amp output terminal
3	LD ON	I	APC ON/OFF control terminal
4	LDP	--	Connect to ground
5	VCC	--	Power supply
6	RF-	I	Inverse input pin for RF amp
7	RF OUT	O	RFamp output
8	RF IN	I	RF input
9	C.AGC	I/O	Connecting pin of AGC loop filter
10	ARF	O	RF output
11	C.ENV	I/O	A capacitor is connected to this terminal to detect the envelope of RF signal
12	C.EA	I/O	A capacitor is connected to this terminal to detect the envelope of RF signal
13	CS BDO	I/O	A capacitor is connected to detect the lower envelope of RF signal
14	BDO	O	BDO output pin
15	CS BRT	I/O	A capacitor is connected to detect the lower envelope of RF signal
16	OFTR	O	Of-track status signal output
17	/NRFDET	O	RF detection signal output
18	GND	--	Ground
19	ENV	O	Envelope output
20	VREF	O	Reference voltage output
21	LD OFF	--	Connect to ground
22	VDET	O	Vibration detection signal output
23	TE BPF	I	Input pin of tracking error through BPF
24	CROSS	O	Tracking error cross output
25	TE OUT	O	Tracking error signal output
26	TE-	I	Inverse input pin for tracking error amp
27	FE OUT	O	Output pin of focus error
28	FE-	I	Inverse input pin for focus error amp
29	FBAL	I	Focus balance control
30	TBAL	I	Tracking balance control
31	PDFR	I/O	F I-V amp gain control
32	PDER	I/O	E I-V amp gain control
33	PDF	I	I-V amp input
34	PDE	I	I-V amp input
35	PD BD	I	I-V amp input
36	PD AC	I	I-V amp input

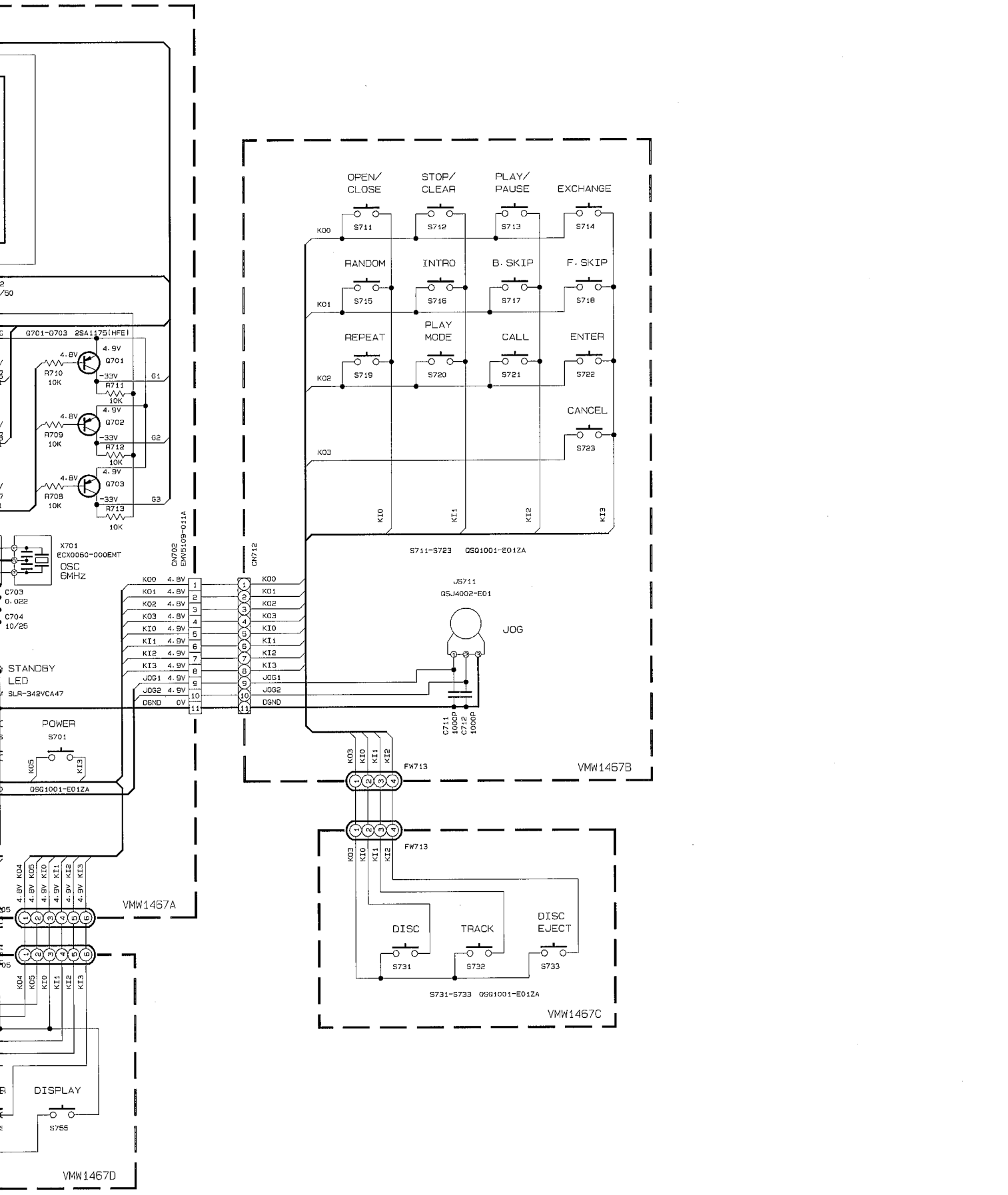
Block Diagram



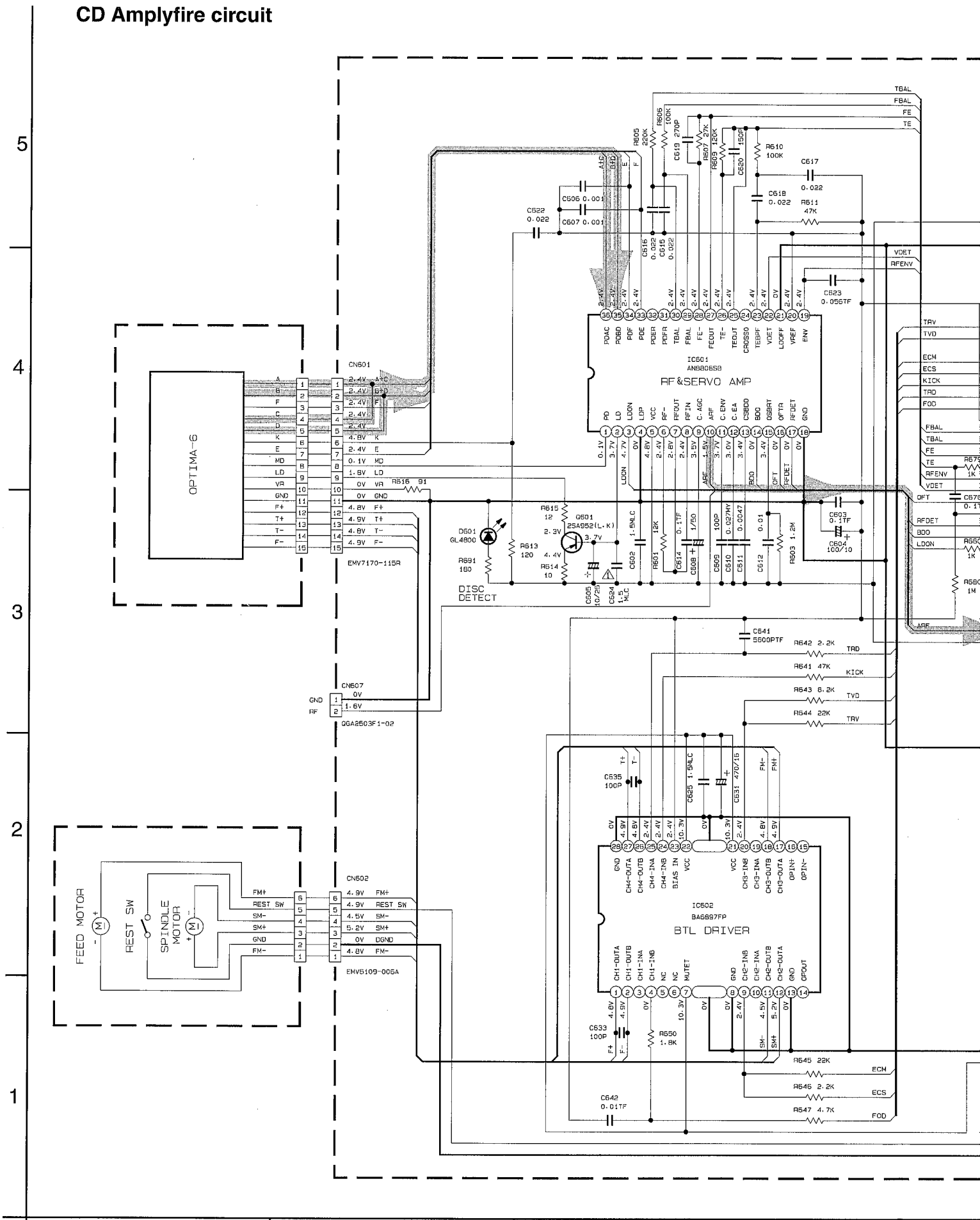
Schematic Diagrams

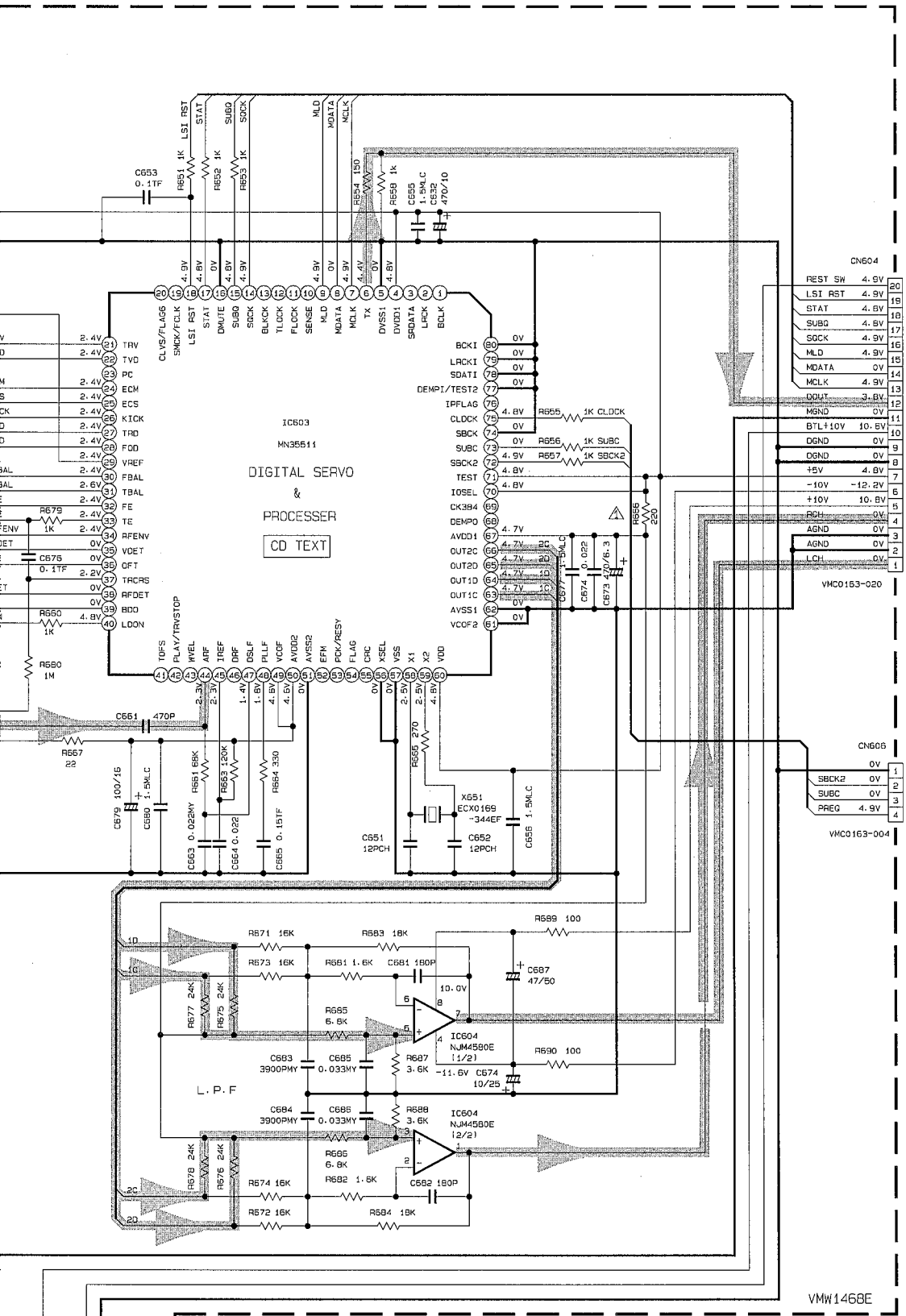
Key switch/ Display cicuit




OPEN/ CLOSE
STOP/ CLEAR
PLAY/ PAUSE
EXCHANGE
S711
S712
S713
S714
RANDOM
INTRO
B. SKIP
F. SKIP
S715
S716
S717
S718
PLAY MODE
REPEAT
CALL
ENTER
S719
S720
S721
S722
CANCEL
S723
KO0
KO1
KO2
KO3
KI0
KI1
KI2
KI3
S711-S723 QSQ1001-E01ZA
VMW1467B
JS711
QSJ4002-E01
JOG
C711 1000P
C712 1000P
FW713
CN702 EWS109-011A
CN712
X701
ECX0060-000EMT
OSC 6MHz
C703 0.022
C704 10/25
STANDBY LED
SLR-342VCA47
POWER
S701
QSQ1001-E01ZA
VMW1467A
DISC
TRACK
DISC EJECT
S731
S732
S733
S731-S733 QSQ1001-E01ZA
VMW1467C
DISPLAY
S755
VMW1467D
Q701-0703 2SA1175(HFE)
Q701
Q702
Q703
R710 10K
R709 10K
R708 10K
R711 10K
R712 10K
R713 10K
4.8V
4.9V
-33V
G1
G2
G3

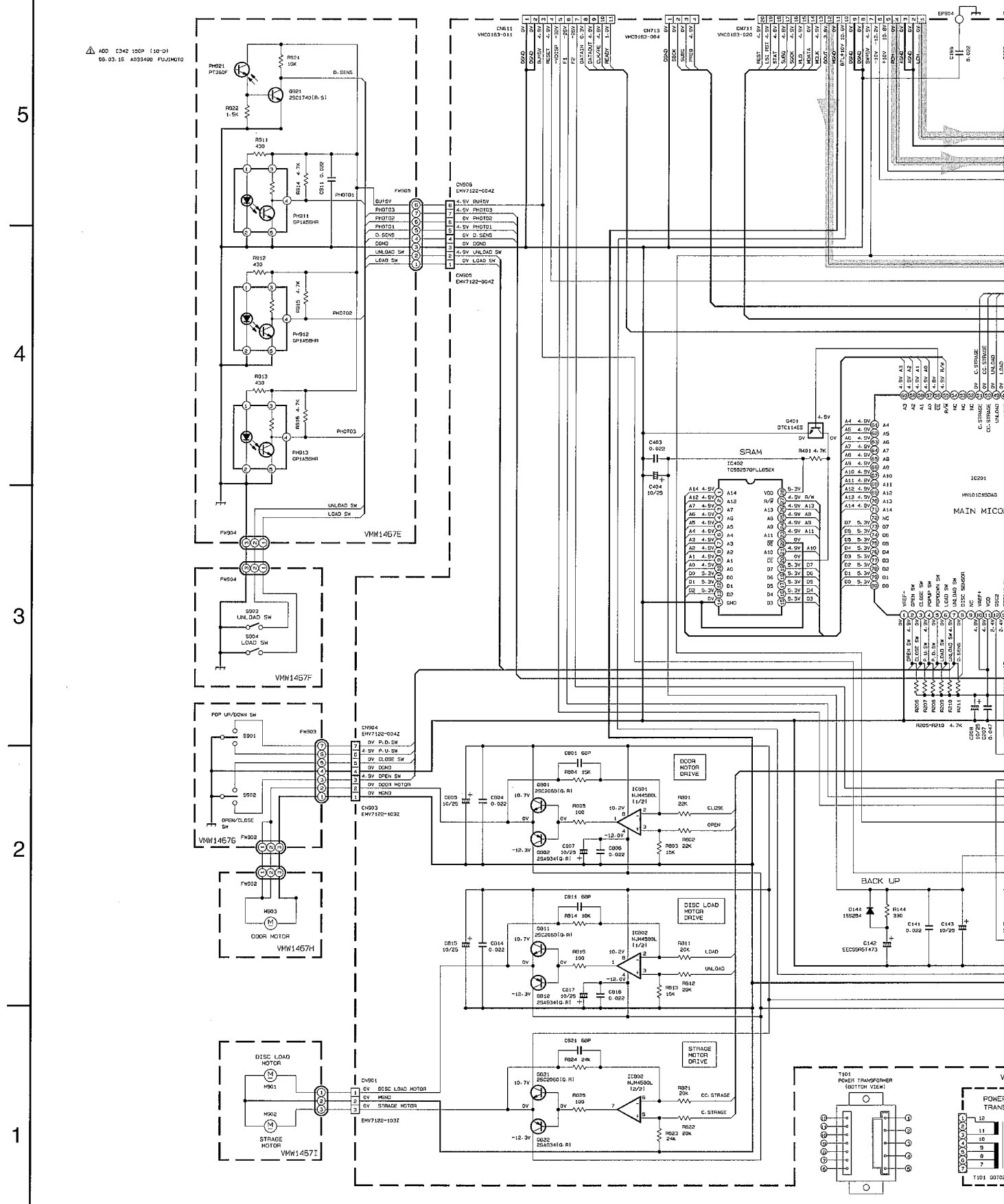
CD Amplyfire circuit

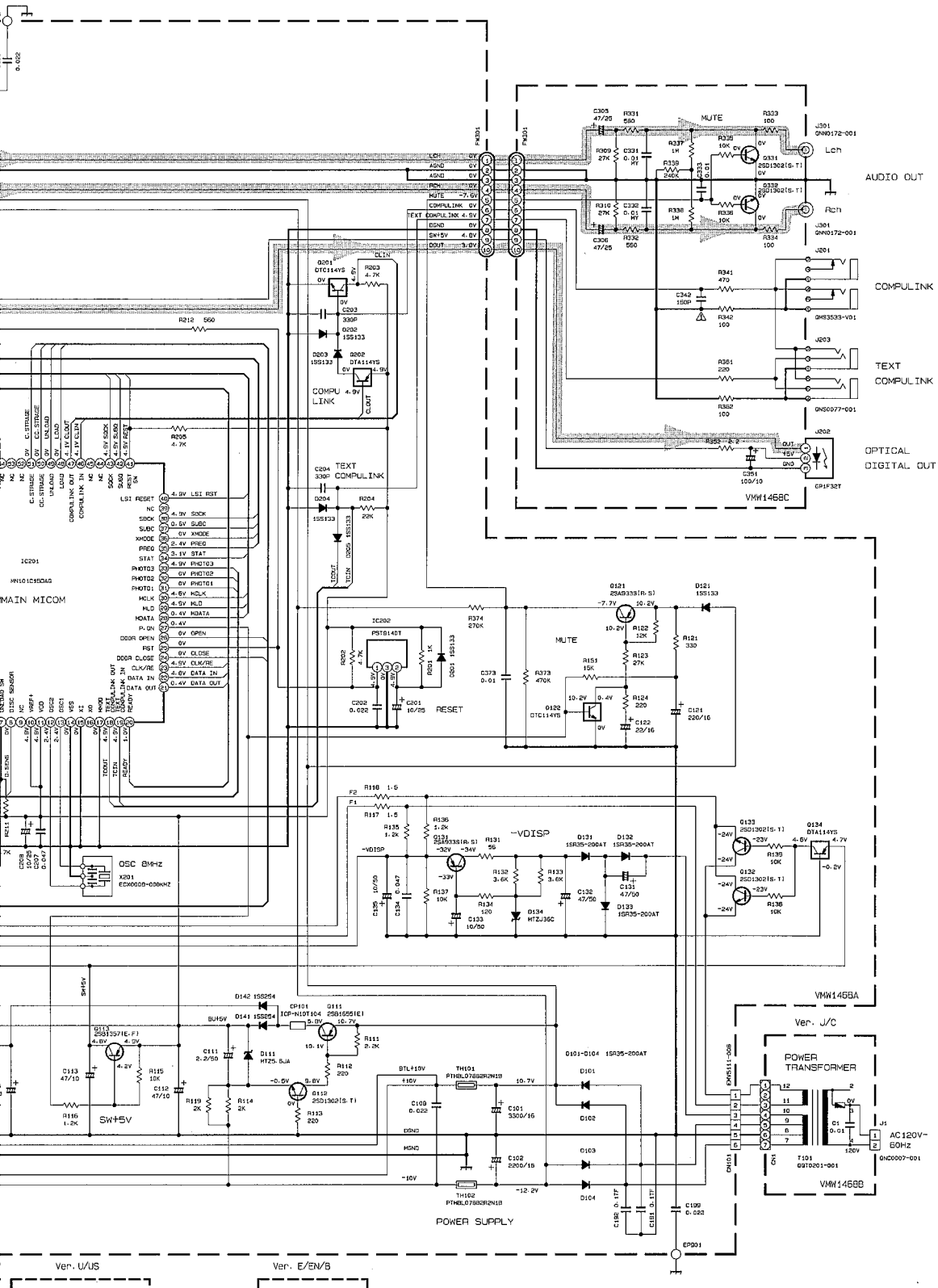



IC603
MN35511
DIGITAL SERVO
&
PROCESSER
CD TEXT
CN604
CN606
VMC0163-020
VMC0163-004
VMW1468E
IC604
NJM4580E
X651
ECX0169
L. P. F
Playback signal line

D E F G H

System control circuit

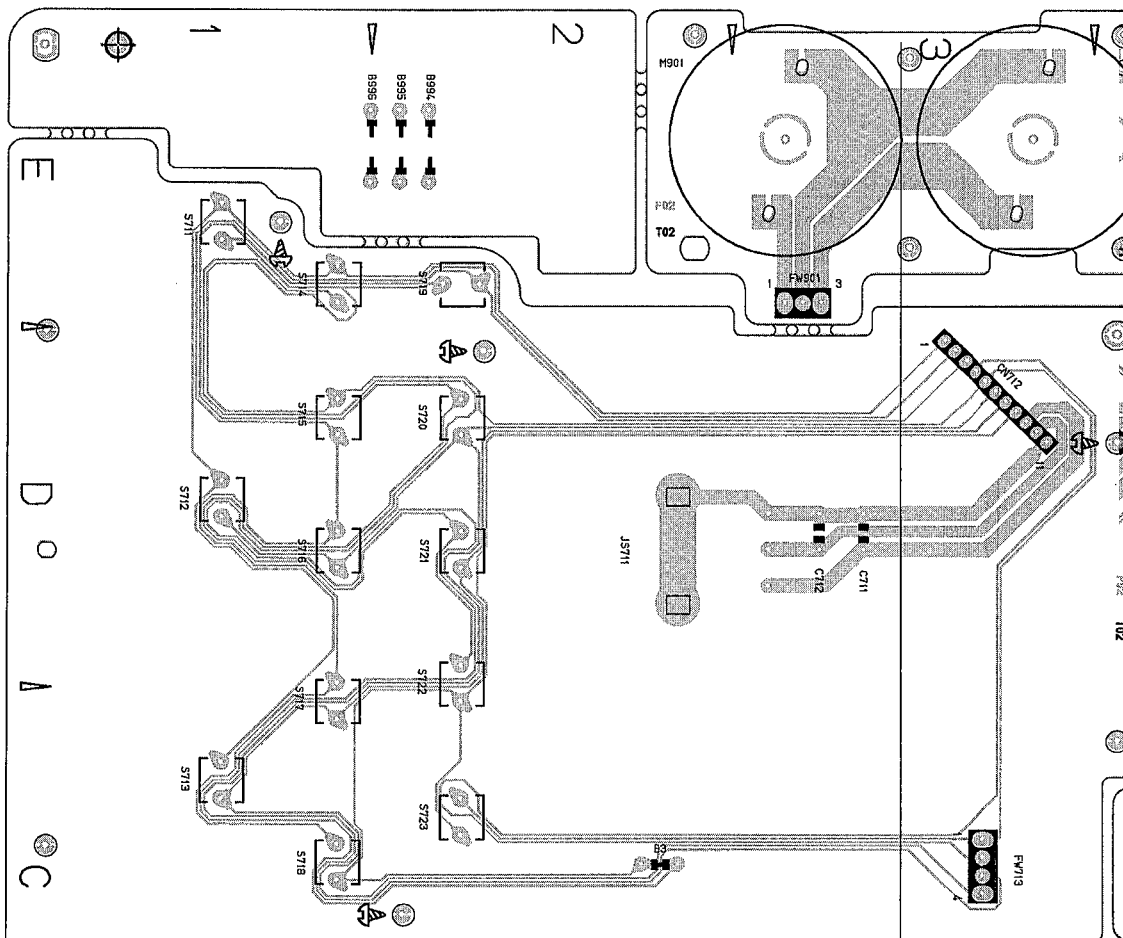


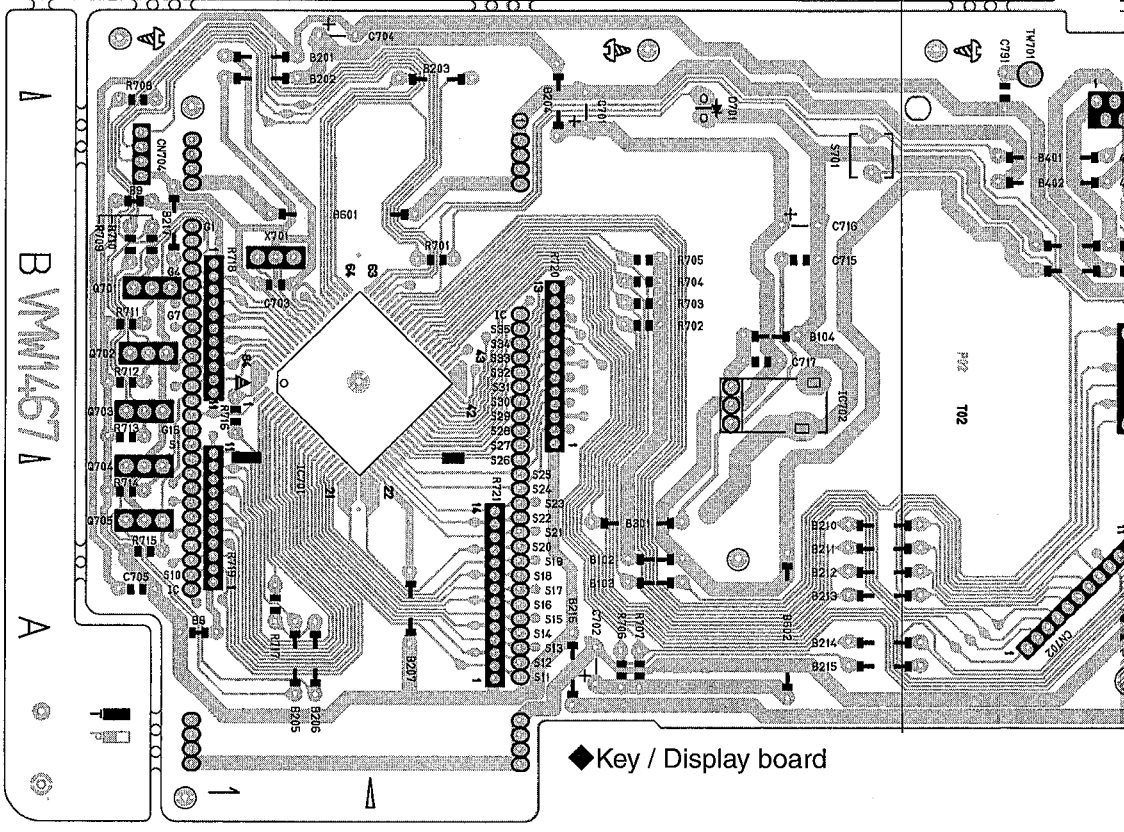

MAIN MICOM
IC201
MN101C15DAG
OSC 8MHz
X201
ECM0008-008MHZ
LSI RESET
COMPU LINK
TEXT COMPULINK
RESET
MUTE
AUDIO OUT
Lch
Rch
COMPULINK
TEXT COMPULINK
OPTICAL DIGITAL OUT
VMW1468C
VMW1468A
VMW1468B
Ver. J/C
POWER TRANSFORMER
AC120V~ 60Hz
POWER SUPPLY
-VDISP
SW+5V
Ver. U/US
Ver. E/EN/B
VOLTAGE SLECTER
AC115-127V~ 220-240V~ 50/60Hz
AC230V~ 50Hz
Playback signal line

Printed Circuit Boards

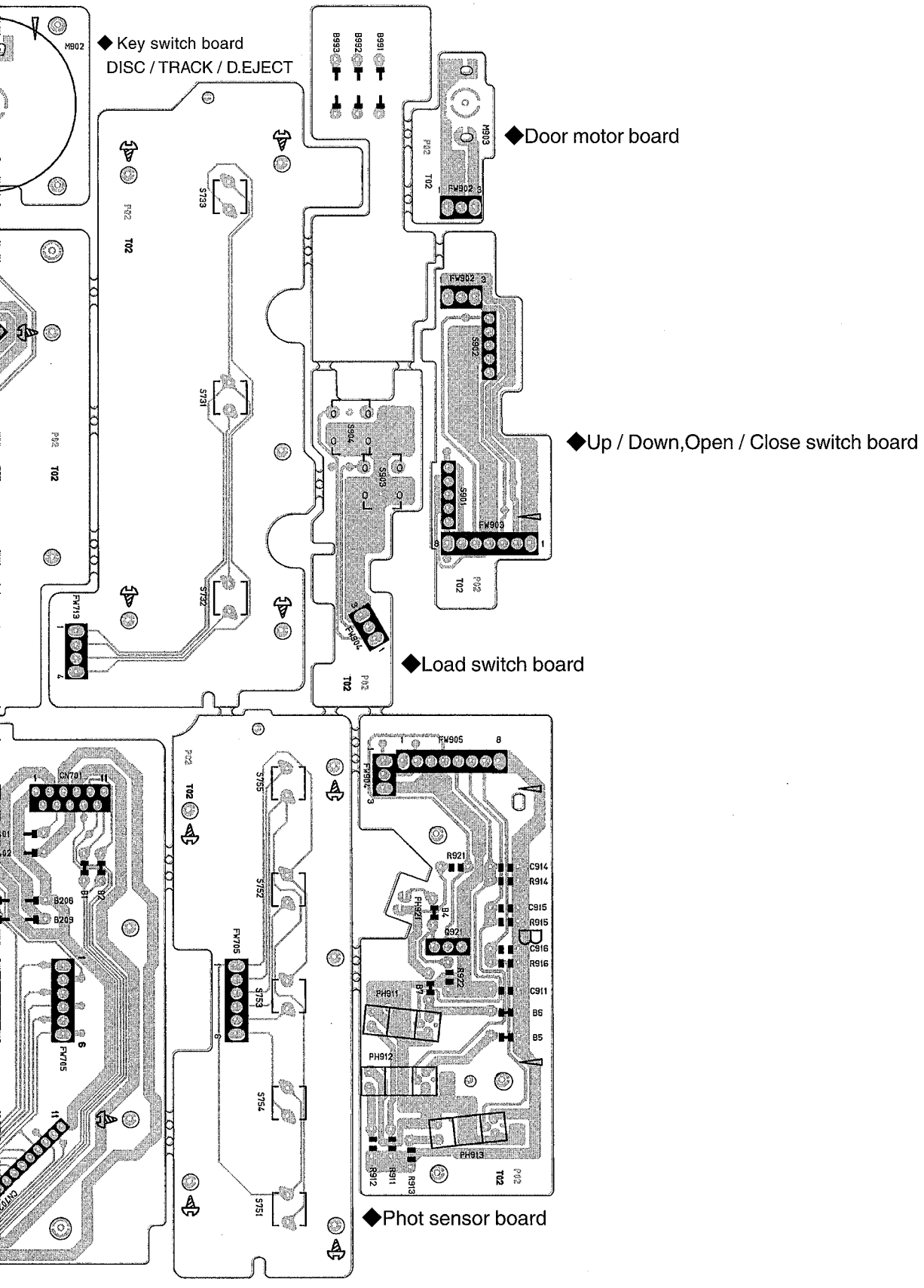
◆Motor board

◆Key switch board

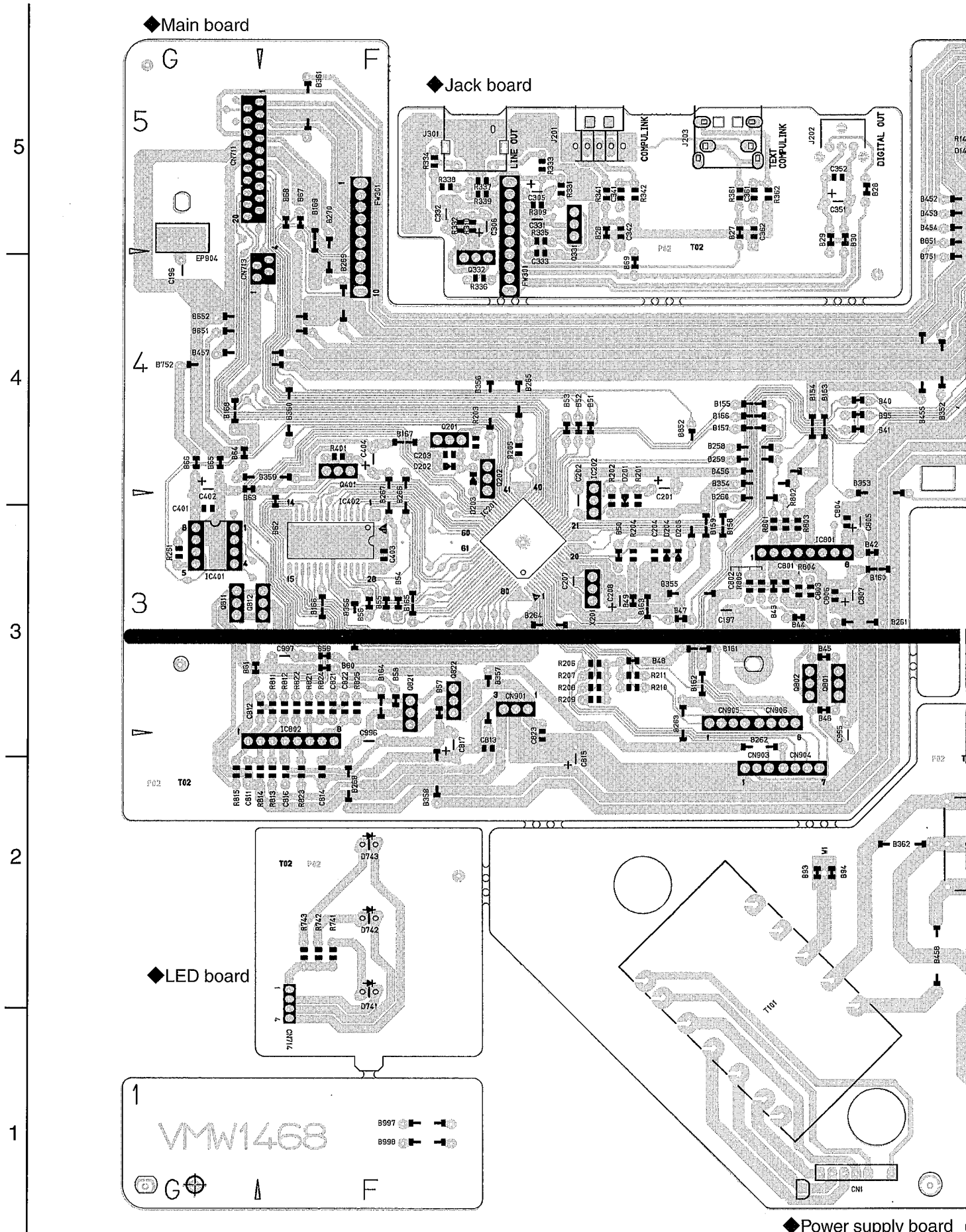


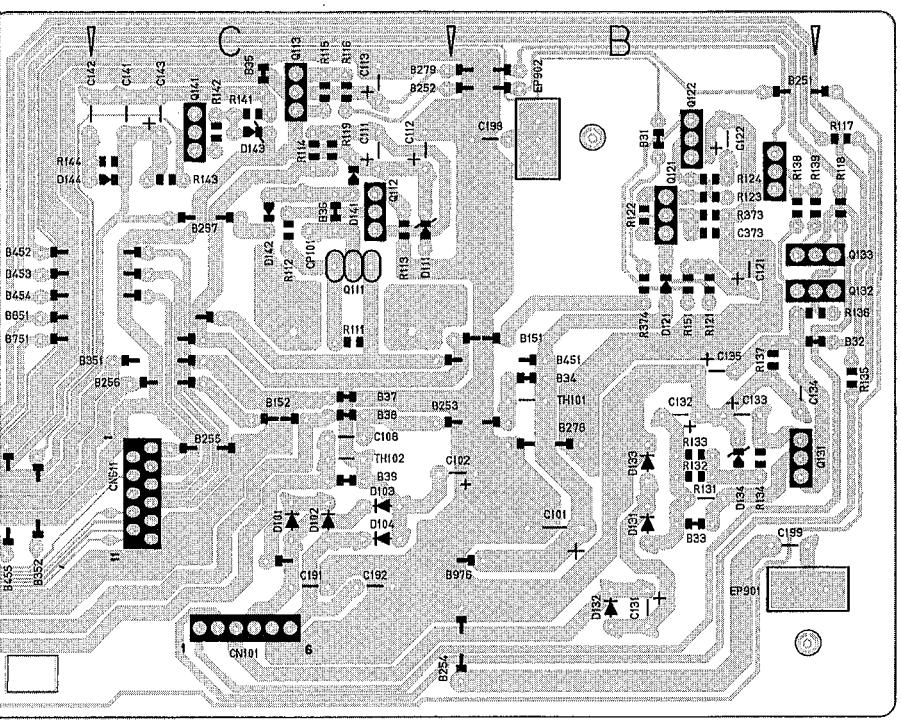


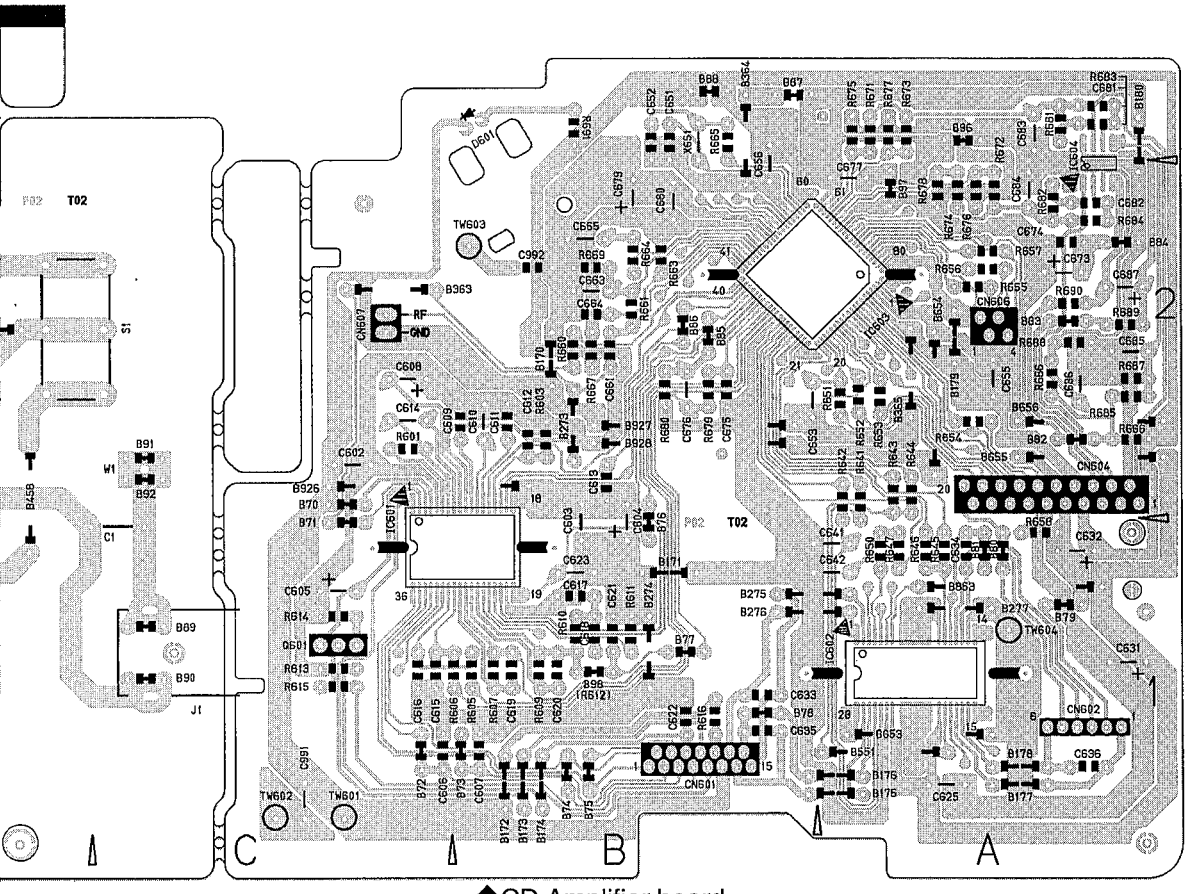
◆Key / Display board


◆Key switch board
DISC / TRACK / D.EJECT
◆Door motor board
◆Up / Down,Open / Close switch board
◆Load switch board
◆Phot sensor board
◆Key switch board U.FILE / D SEARCH /
T.INPUT / CHARACTER / DISPLAY

D | E | F | G | H


◆Main board
◆Jack board
◆LED board
◆Power supply board
VMW1468
G
F
5
4
3
2
1
A
B
C
D





oard

◆CD Amplifier board

-MEMO-

PARTS LIST

[XL-MC334BK]

All printed circuit board and its assemblies are not available as service parts.

The Marks for Designated Areas

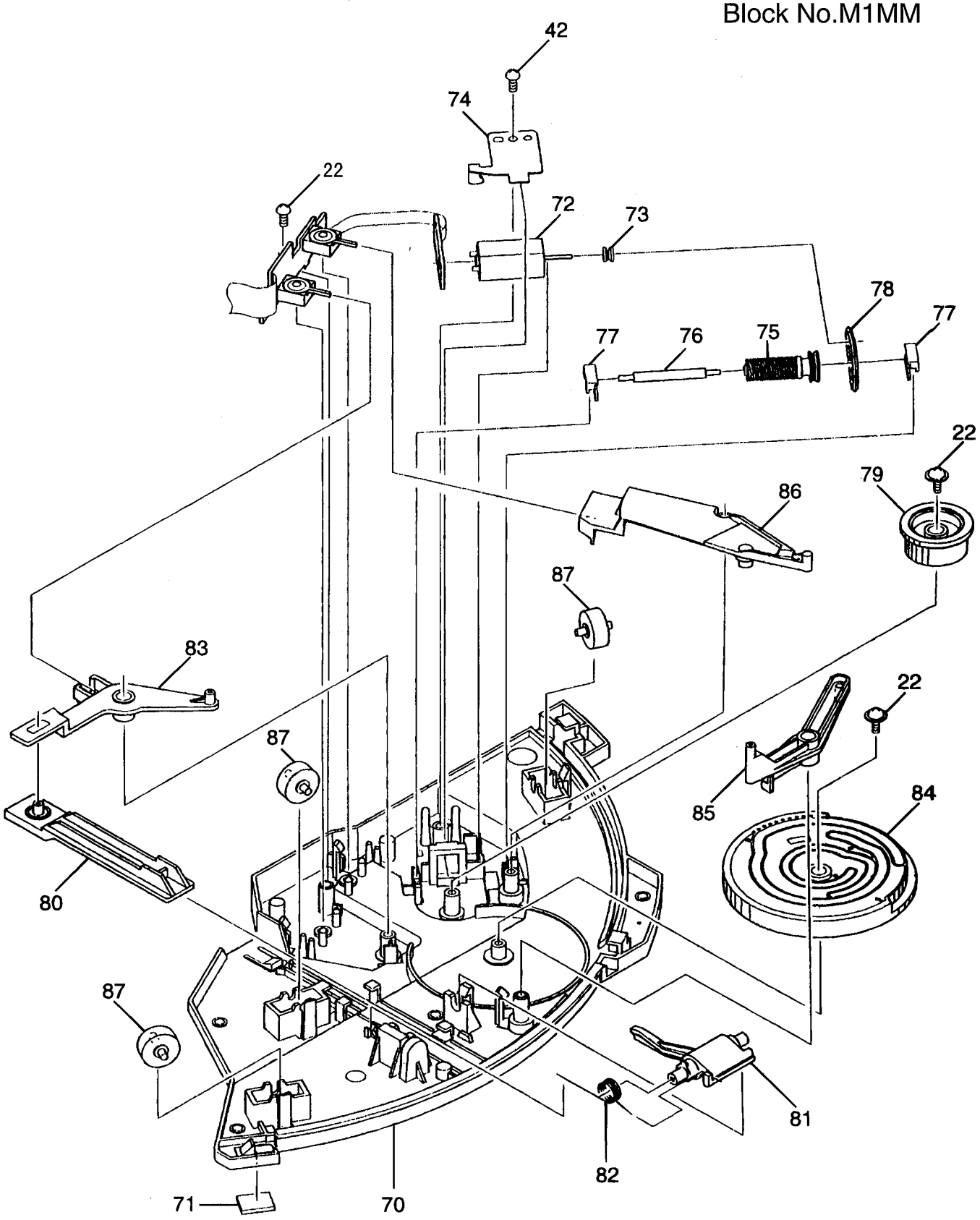
B ..... the U.K
C ..... Canada
J ..... the U.S.A
E ..... Continental Europe
EN ..... North Europe
U ..... Universal Type
US ..... Singapore

-- Contents --

General Exploded View and General Exploded Parts List 3-2
Grease Point 3-5
CD Mechanism Ass'y and Parts List 3-12
Electrical Parts List 3-13
Key/display(Block 01) 3-13
Main/CD amplifire(Block 02) 3-14
Packing Materials and Parts List 3-18
Accessories List 3-19

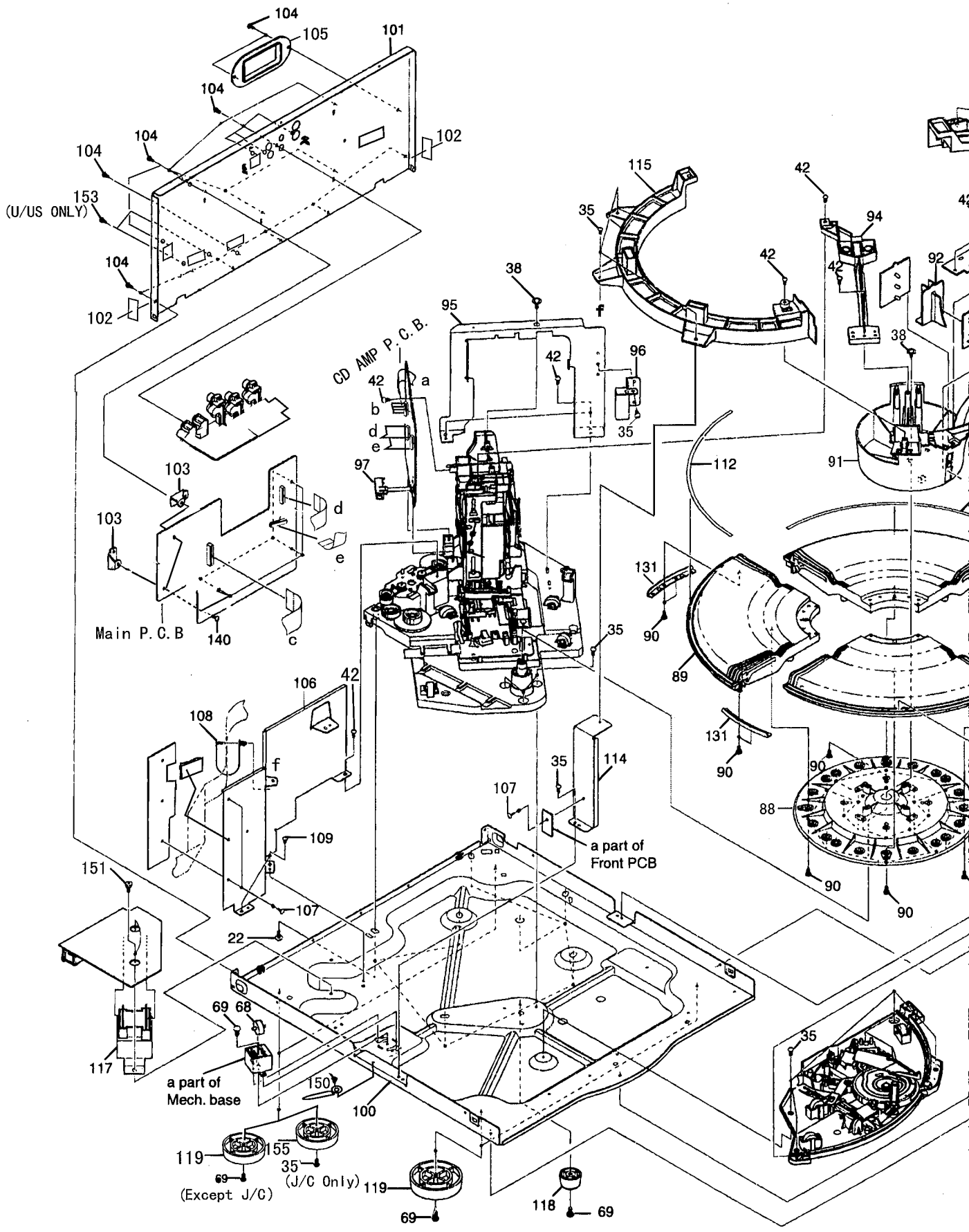
General Exploded View and Parts List(1)

Block No.M1MM



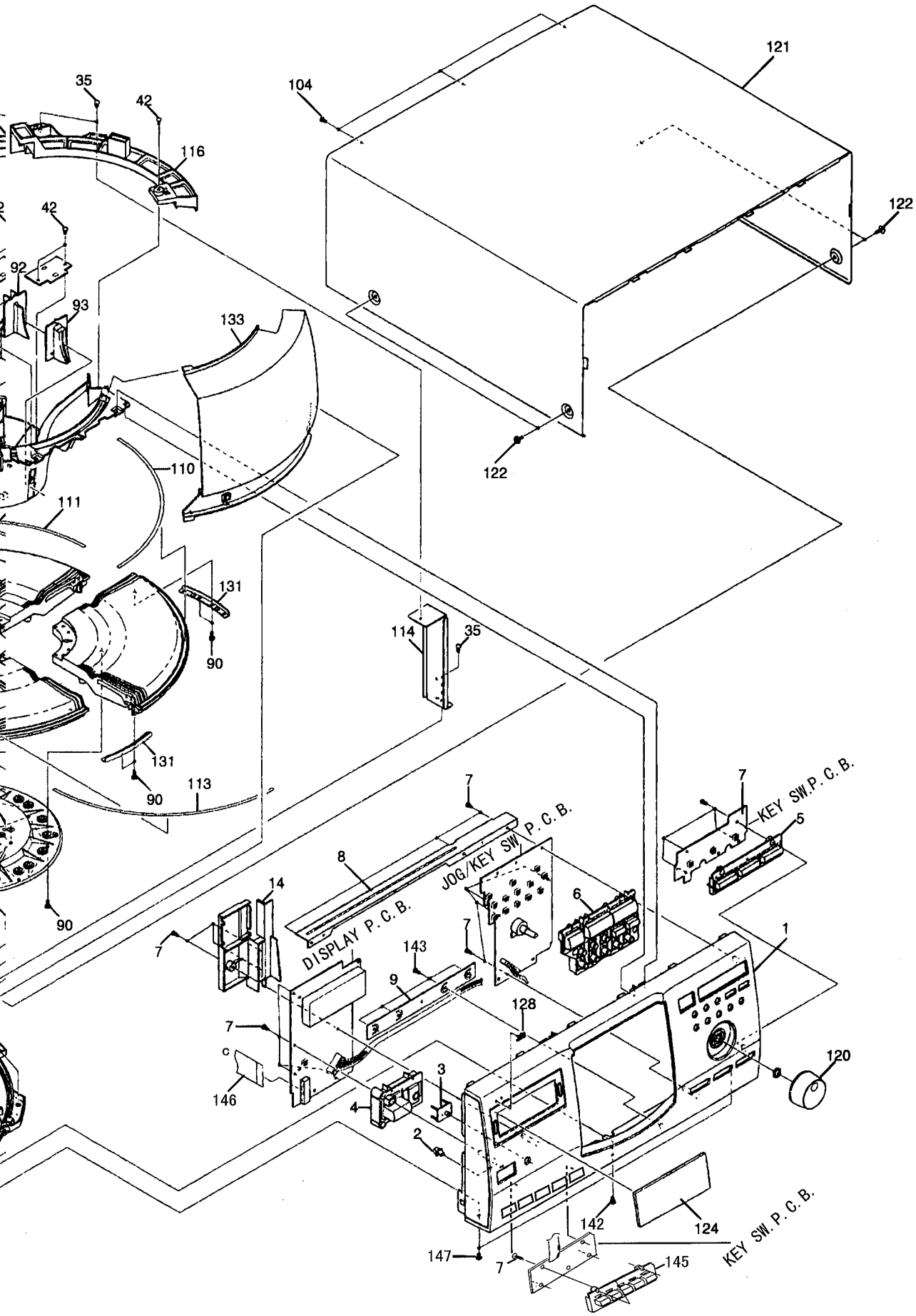
General Exploded View and Parts List (2)

Block No.M1M



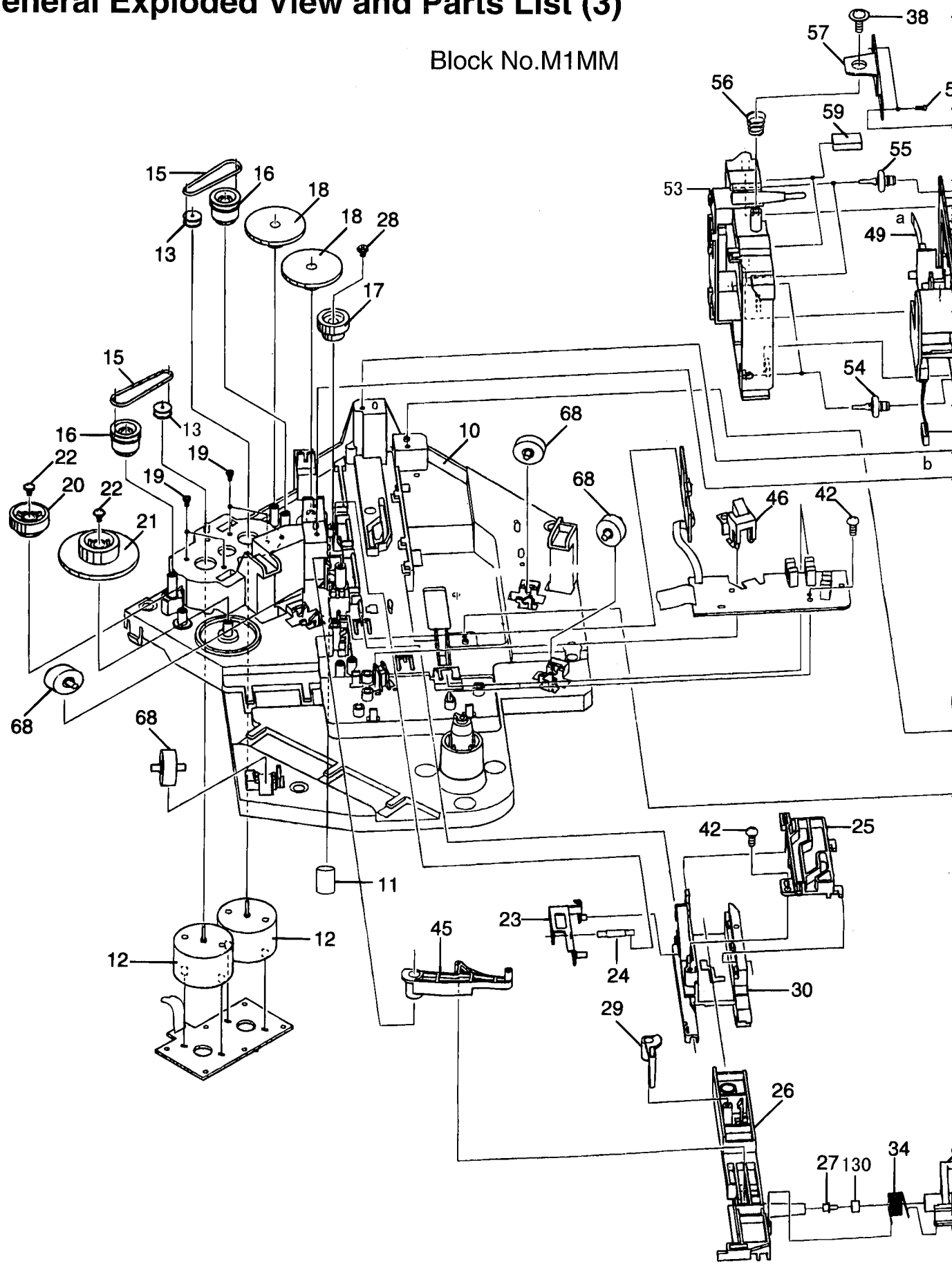
A | B | C | D

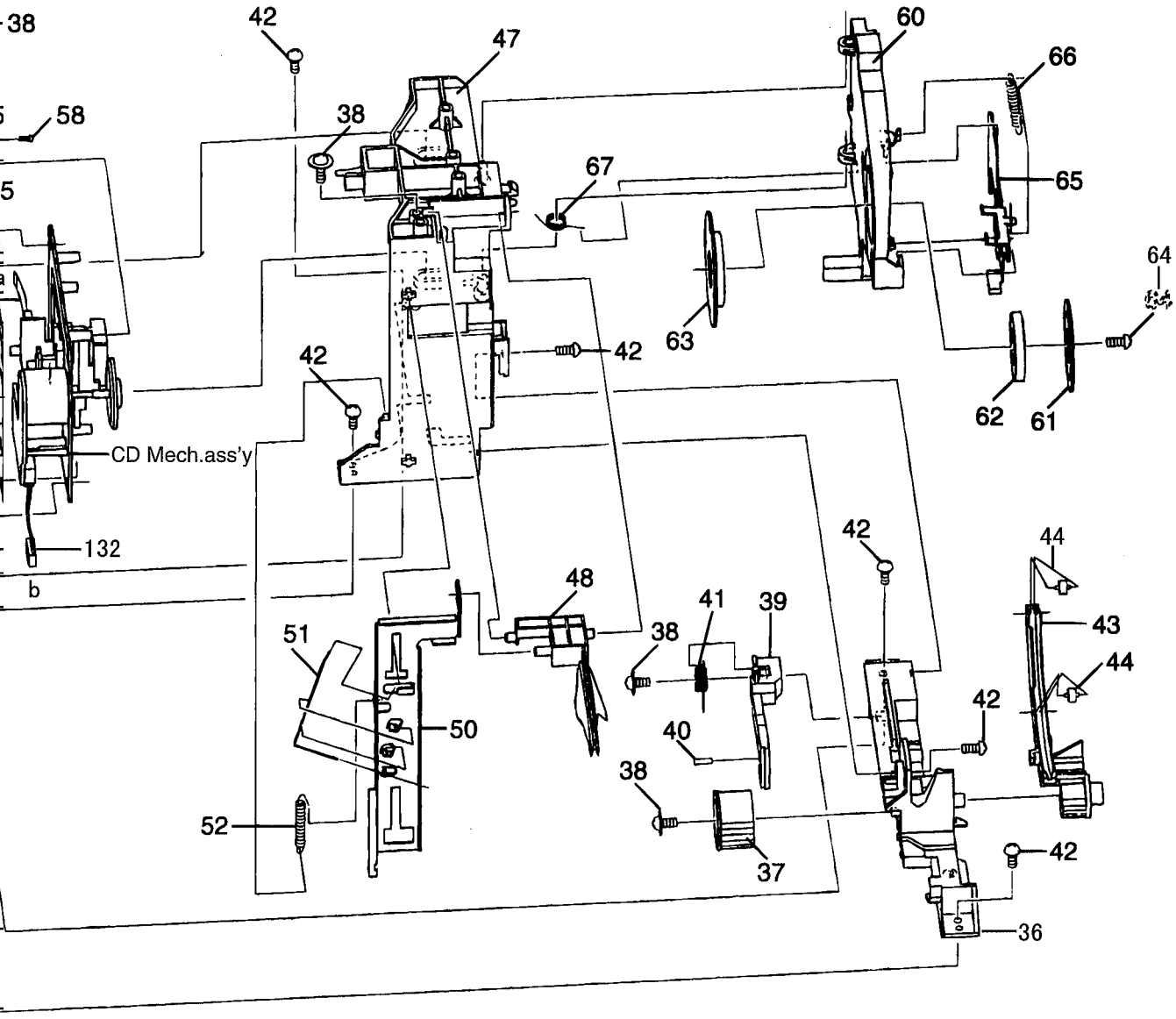
M1MM

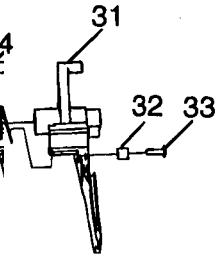

121
104
35
42
116
122
42
92
93
133
122
110
111
131
114
35
90
131
90
113
7
JOG/KEY SW. P. C. B.
7
KEY SW.P. C. B.
5
8
14
DISPLAY P. C. B.
6
90
7
143
1
9
128
7
120
3
146
4
2
142
124
KEY SW. P. C. B.
147
7
145

General Exploded View and Parts List (3)

Block No.M1MM




38
42
47
60
66
58
38
67
65
64
63
42
42
62
61
CD Mech.ass'y
132
b
42
44
48
41
39
43
51
38
44
50
42
40
38
52
37
42
36

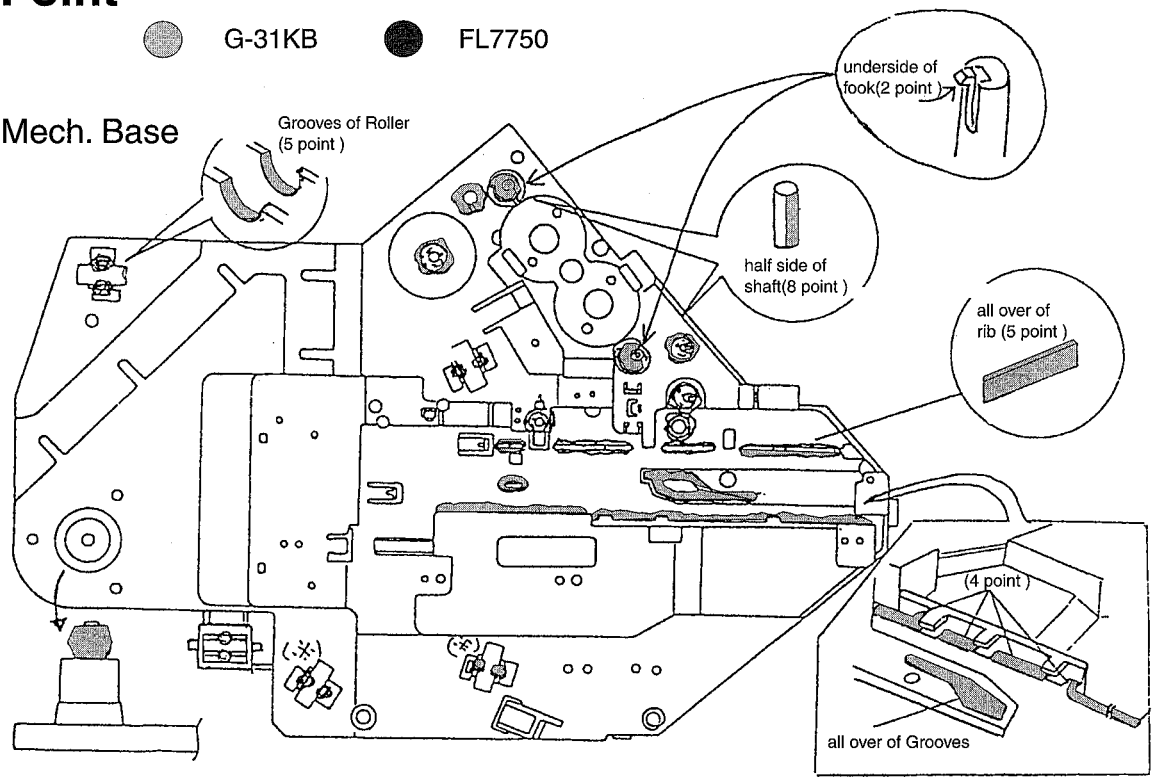

31
32
33

D E F G H

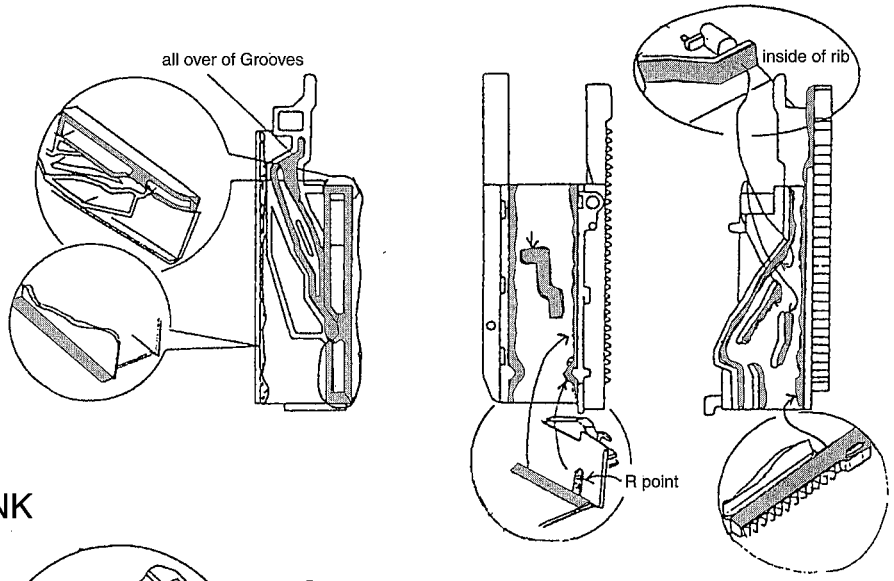
Grease Point

G-31KB FL7750

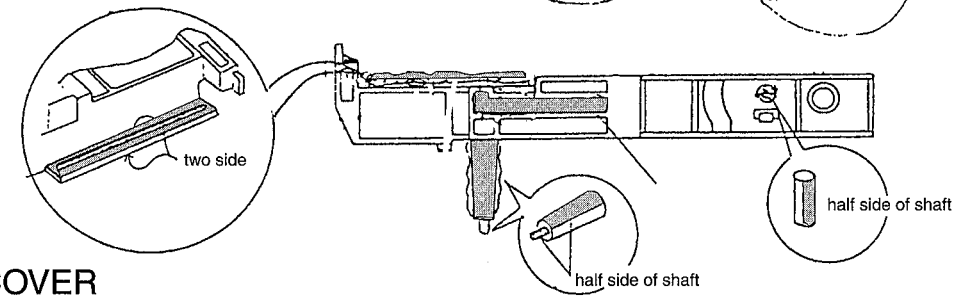
1. Mech. Base



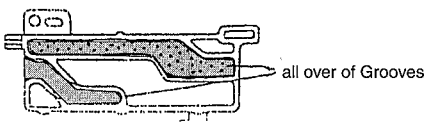
2. CAM



3. LOAD.LINK

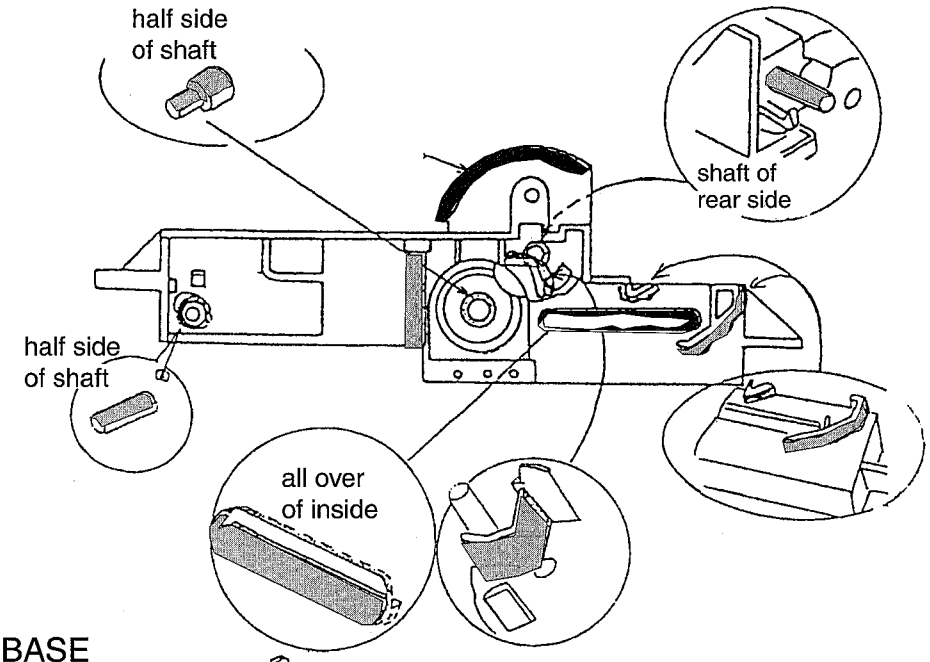


4. CAM COVER

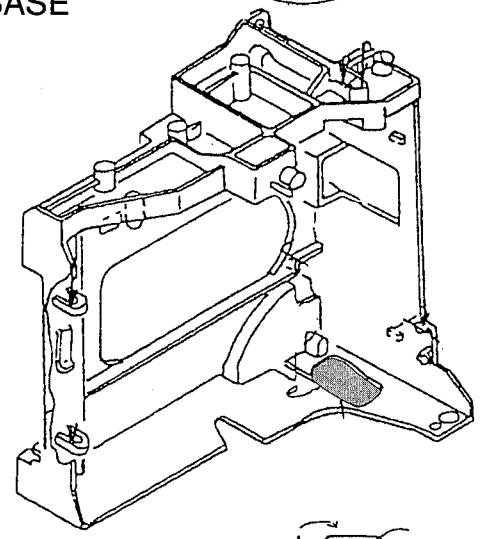


5. LEVER BASE

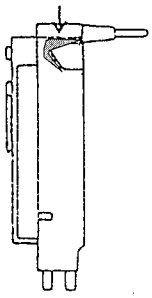
G-31KB FL7750



6. LADING BASE

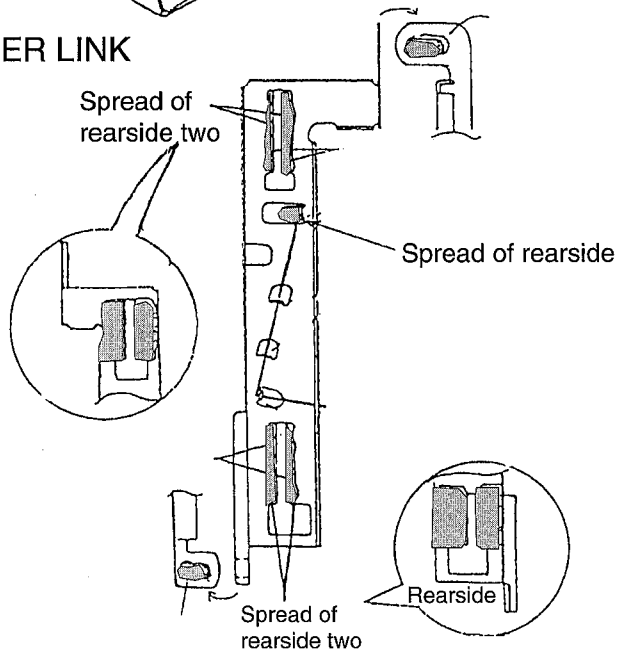


7. PU BASE



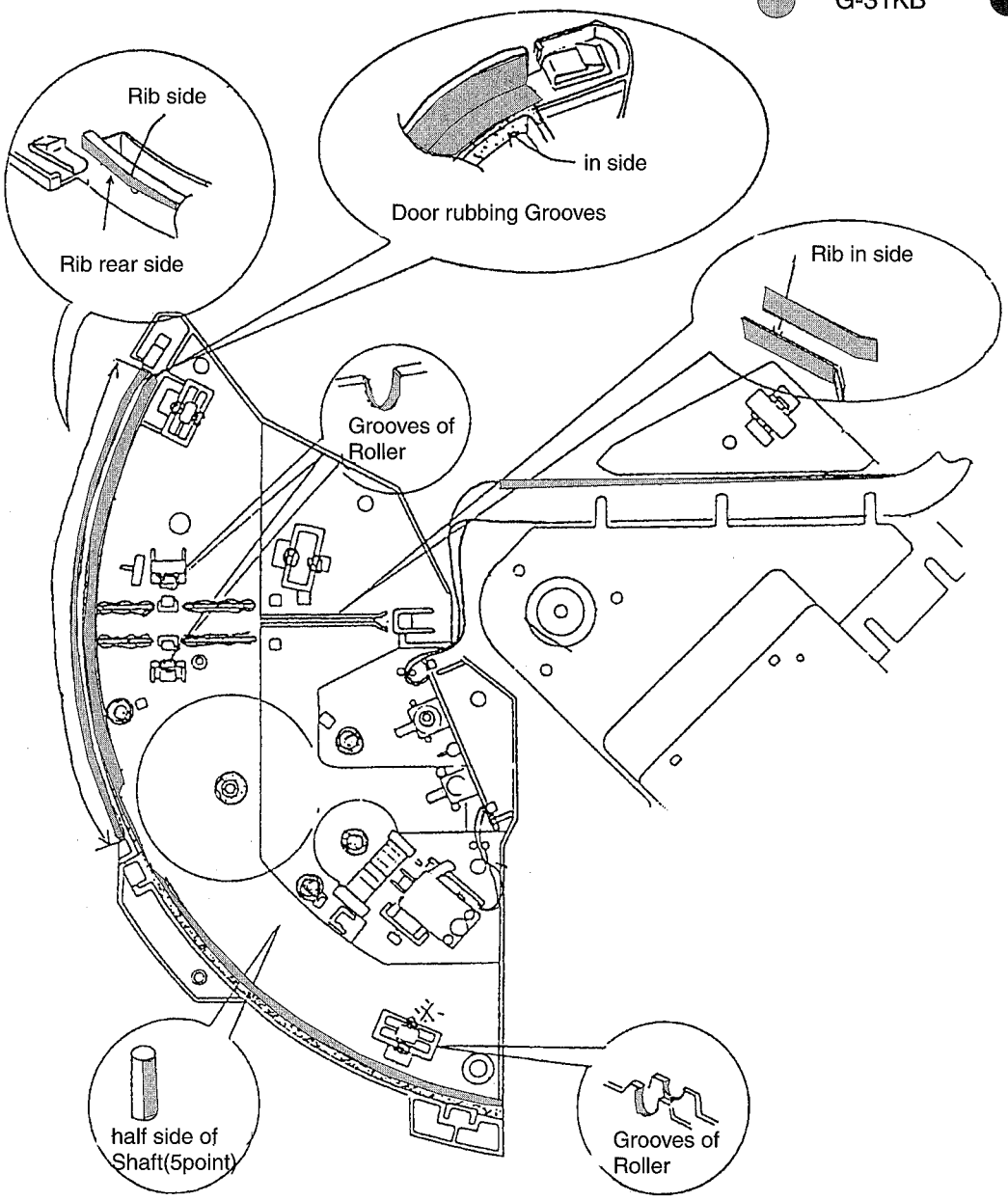
side view

8. UPPER LINK

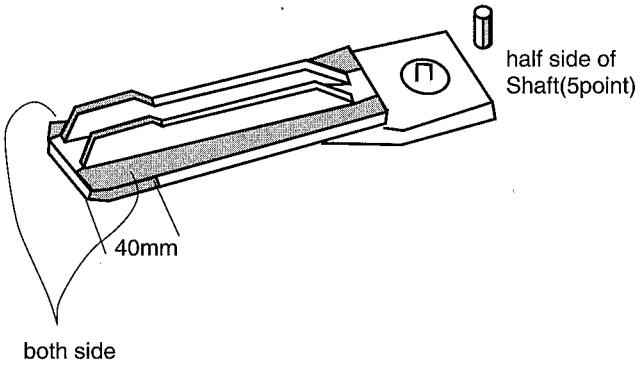


9. Door base

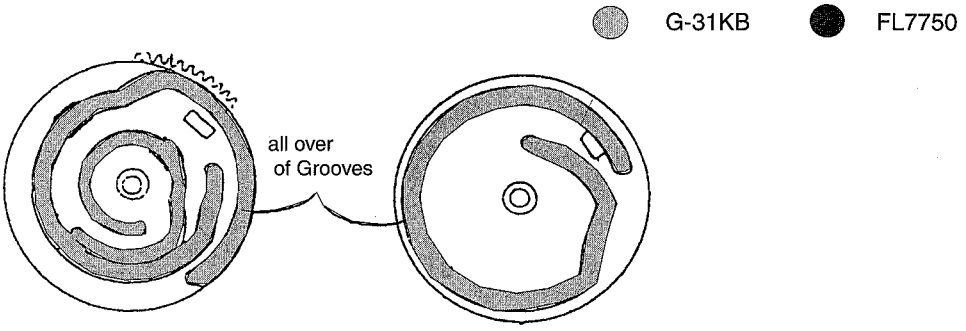
G-31KB FL7750



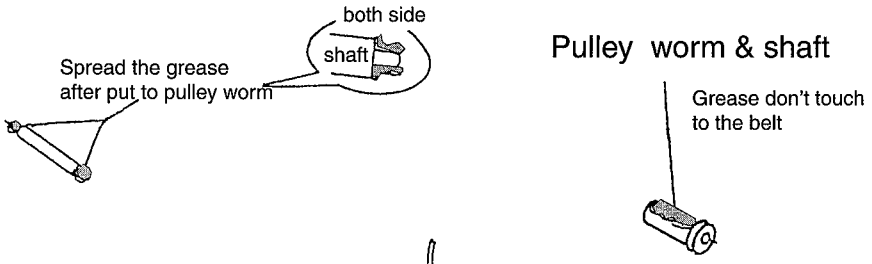
10. Slide Cam



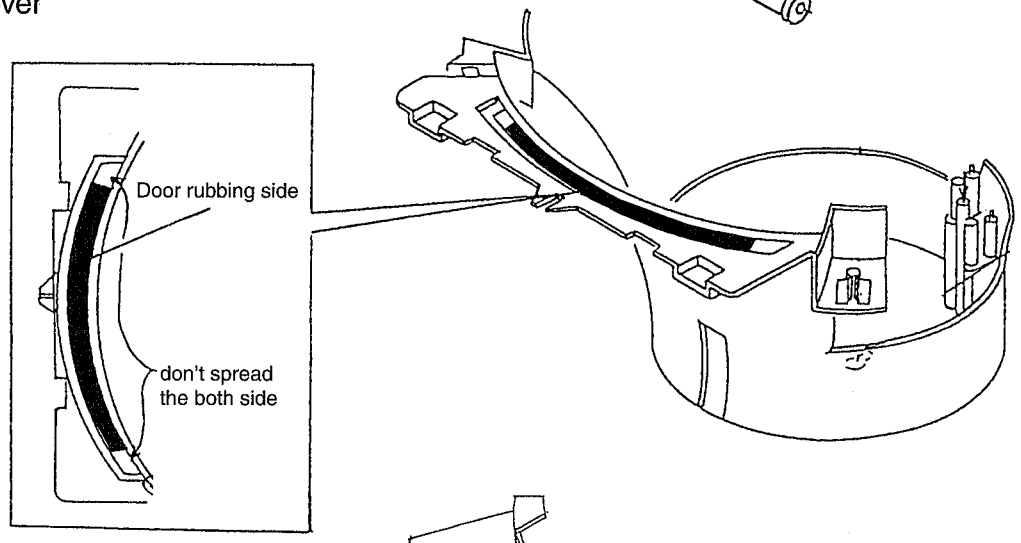
11. Main Gear



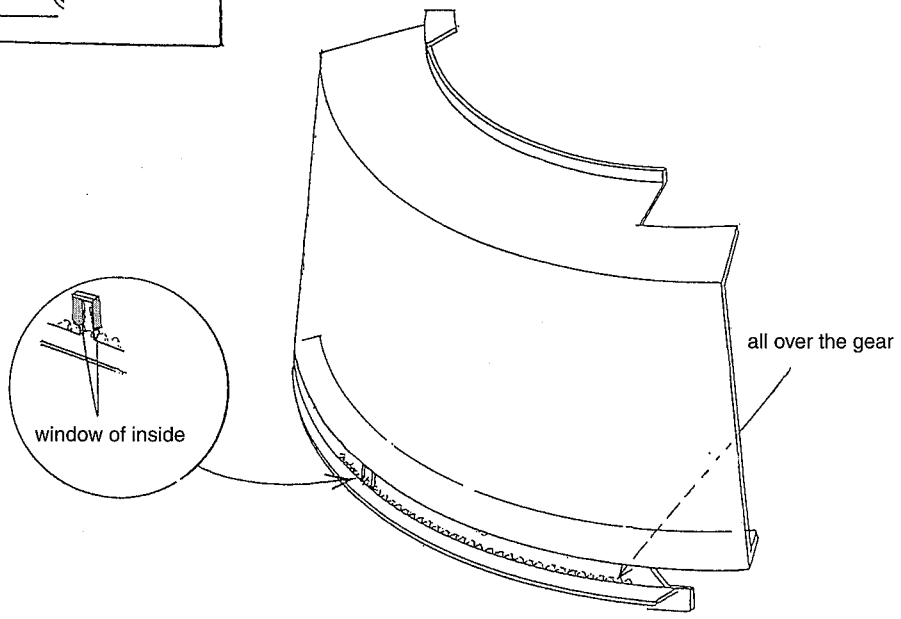
12. Pulley worm & shaft



13. Safety cover



14. Door



BLOCK NO. M1MM[ ][ ]

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	LE10123-007A	FRONT PANEL		1	C,J	
		LE10123-008A	FRONT PANEL		1	B,E,EN,U,US	
	2	E409509-001	INDICATOR		1		
	3	E308744-002	REMOTE LENS		1		
	4	LE30481-002A	PUSH BUTTON	POWER	1	B,E,EN,U,US	
		LE30481-001A	PUSH BUTTON	POWER	1	C,J	
	5	LE20267-001A	PUSH BUTTON	DISC	1		
	6	LE20269-001A	PUSH BUTTON	PLAY	1		
	7	SDSF2608Z	SCREW	FRONT CB LEFT	22		
	8	LE20271-001A	FORNT BKT		1		
	9	LE30489-001A	WIRE COVER		1		
	10	LE10094-001A	MECHA BASE		1		
	11	LE40177-002A	PIN		1		
	12	RF-500TB-14415	MOTOR		2		
	13	E75984-222SS	MOTOR PULLEY		2		
	14	LE30486-002A	C.B. COVER		1		
	15	E75950-002	BELT		2		
	16	E409142-001	GEAR(1)		2		
	17	LE40151-001A	D.GEAR 1		1		
	18	LE40152-001A	D.GEAR 2		2		
	19	SPSP2604Z	SCREW		4		
	20	LE40161-001A	S.GEAR 1		1		
	21	LE40162-001A	S.GEAR 2		1		
	22	GBSF3008Z	T.SCREW		12		
	23	LE40248-001A	U.LINK LEV.ASSY		1		
	24	LE40239-001A	SHAFT		1		
	25	LE30424-001A	CAM COVER		1		
	26	LE30393-001A	LOAD.LINK		1		
	27	LE40257-001A	STUD		1		
	28	E72405-001	SPECIAL SCREW	D.GEAR1	1		
	29	LE40150-001A	LINK LEVER		1		
	30	LE20154-001A	CAM		1		
	31	LE30394-001A	LOAD.LEVER		1		
	32	LE40254-001A	LOADING ROLLER		1		
	33	LE40258-002A	STUD		1		
	34	LE40183-001A	TOR.SPRING		1		
	35	SBSG3008N	TH TAP SCREW		15	B,E,EN,U,US	
		SBSG3008N	TH TAP SCREW		17	C,J	
	36	LE10095-001A	LEVER BASE		1		
	37	LE40153-001A	D.GEAR 3		1		
	38	E65923-003	TAPPING SCREW		6		
	39	LE30396-001A	UNLOAD.LINK		1		
	40	LE40177-001A	PIN		1		
	41	LE40183-005A	TOR.SPRING		1		
	42	SBSF3008Z	SCREW		19		
	43	LE20211-001A	UNLOAD.LEVER		1		
	44	LE40154-001A	U.L.ROLLER		2		
	45	LE40155-001A	LOCK LEVER		1		
	46	LE30491-001A	LED.HOLDER 1		1		
	47	LE10093-001A	LOADING BASE		1		
	48	LE30448-001A	UPPER LEVER		1		
	49	VWF1015-07TTAX	15P SUMI CARD	EXL-M6	1		
	50	LE30449-001A	UPPER LINK		1		
	51	LE40157-001A	ROD		1		
	52	LE40180-004A	TEN.SPRING		1		

BLOCK NO. M1MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	53	LE20153-002A	P.U.BASE		1		
	54	E406294-001	C.D INSULATOR18		2		
	55	E406294-002	INSULATOR		2		
	56	LE40179-001A	INS. SPRING		1		
	57	LE40149-001A	INSULATOR BKT.		1		
	58	SBSF2006Z	SCREW		2		
	59	LE30001-020A	SPACER		2		
	60	LE20155-001A	CLAMPER BASE		1		
	61	VKL7757-001	YOKE		1		
	62	VYH7313-005	MAGNET		1		
	63	VKS3697-001	CLAMPER		1		
	64	SBSF2606Z	SCREW		1		
	65	LE40165-001A	CLAMP.LEVER		1		
	66	LE40180-002A	TEN.SPRING		1		
	67	LE40183-004A	TOR.SPRING		1		
	68	LE40171-001A	ROLLER		5		
	69	SBST3010Z	TH TAP SCREW		4	C,J	
		SBST3010Z	TH TAP SCREW		6	B,E,EN,U,US	
	70	LE10100-001A	DOOR BASE		1		
	71	LE30001-018A	SPACER		1		
	72	PPN13KA11C	DC MOTOR		1		
	73	LE40160-001A	MOTOR PULLEY		1		
	74	LE40163-001A	MOTOR BKT.		1		
	75	E408199-201SS	C.D PULLEY WORM		1		
	76	LE40178-001A	SHAFT		1		
	77	LE40288-001A	SHAFT GUIDE		2		
	78	E75950-003	C.D BELT		1		
	79	LE40164-001A	WHEEL GEAR		1		
	80	LE30401-001A	SLIDE CAM		1		
	81	LE30402-001A	POP UP LEVER		1		
	82	LE40183-003A	TOR. SPRING		1		
	83	LE30403-001A	POP LINK		1		
	84	LE20156-001A	MAIN GEAR		1		
	85	LE30404-001A	ST LOCK LEVER		1		
	86	LE30405-001A	DOOR LOCK		1		
	87	LE40171-001A	ROLLER		3		
	88	LE10097-001A	CENTER STORAGE		1		
	89	LE10096-001A	DISC STORGE		4		
	90	QYSDSFY3008Z	SCREW		32		
	91	LE10098-001A	SAFTY COVER		1		
	92	LE30487-001A	DISC INDICATOR		1		
	93	LE30488-001A	IND.HOLDER		1		
	94	LE20182-001A	LOAD. GUIDE		1		
	95	LE20285-001A	DROP PROOF BKT.		1		
	96	LE40315-001A	GUARD BKT.		1		
	97	LE30492-002A	LED.HOLDER 2		1		
	100	LE10127-001A	CHASSIS BASE		1		
	101	LE10130-011A	REAR PANEL		1	B,E,EN	
		LE10130-010A	REAR PANEL		1	C	
		LE10130-012A	REAR PANEL		1	U,US	
		LE10130-013A	REAR PANEL		1	J	
	102	LE30001-021A	SPACER		2		
	103	E68587-006	BKT		5		
	104	E73273-006	SPECIAL SCREW		20		

BLOCK NO. M1MM[ ][ ]

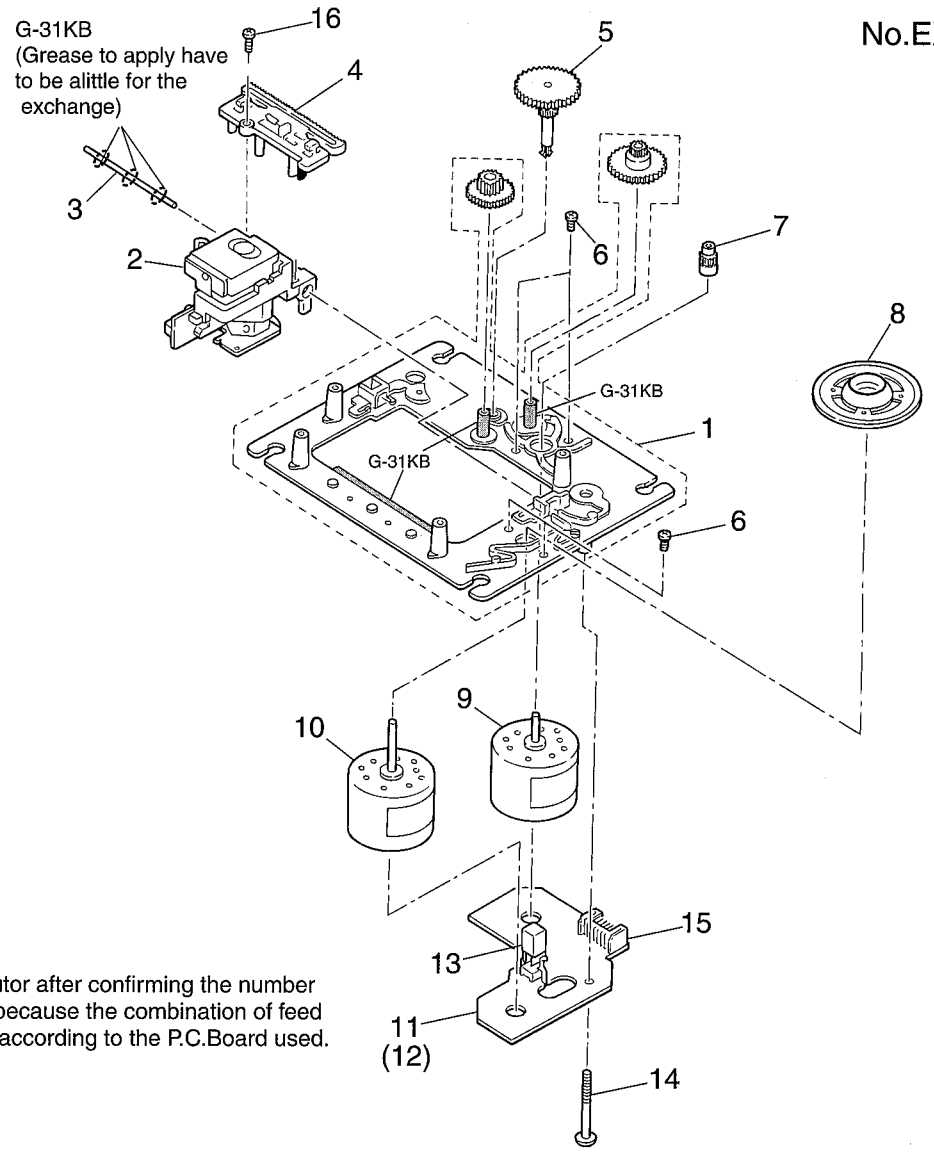
⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	105	LE30521-001A	REAR COVER		1		
	106	LE10132-001A	TRANS BKT		1		
	107	E310243-002	PLASTIC RIVET		4		
	108	LE30520-001A	SPEED CLANP		1		
	109	SBST3004CC	T.SCREW	T.BKT-CHASSIS	2		
	110	LE30399-001A	LABEL		1		
	111	LE30399-002A	LABEL		1		
	112	LE30399-003A	LABEL		1		
	113	LE30399-004A	LABEL		1		
	114	LE30519-001A	SIDE BKT		2		
	115	LE20183-001A	DISC GUARD L		1		
	116	LE20184-001A	DISC GUARD R		1		
	117	QQT0201-001	POWER TRANSF.		1	C,J	
		QQT0201-002	POWER TRANSF.		1	E,EN	
		QQT0201-003	POWER TRANSF.		1	U,US	
		QQT0201-002BS	POWER TRANSF.		1	B	
	118	E47227-042	FOOT ASS'Y	CENTER	1		
	119	E307427-005	FOOT ASSY		4	B,E,EN,U,US	
		E307427-005	FOOT ASSY	FRONT	2	C,J	
	120	LE30485-001A	KNOB	JOG	1		
	121	LE10128-001A(S)	METAL COVER		1		
	122	E406308-003	SPECIAL SCREW	METAL(SIDE)	4		
	124	LE30483-002A	WINDO SCREEN		1		
	128	VJD5429-001SS	JVC MARK		1		
	130	LE40253-001A	LINK ROLLER		1		
	131	LE40156-001A	SUPPRT BRACKET		4		
	132	EWS266-B420	WIRE ASSY	EXL-M6	1		
	133	LE10125-001A	DOOR		1		
	140	SBST3006Z	TH TAP SCREW	REAR-CB	5		
	142	SDSF3008M	SCREW		1		
	143	SDSF2606M	SCREW	WIRE COVER	4		
	145	LV20043-002A	PUSH BUTTON	SEARCH	1		
	146	VWF1211-62TTBX	FFC CABLE		1		
	147	QYSBSG3008M	TH.TAP.SCREW	F.P.-CHASSIS	2		
	148	VWF1220-10TTB	CARD WIRE		1		
	149	VWF1204-12TTB	CARD WIRE		1		
	150	SBSG3006Z	T.SCREW	TW701ｺﾃｲﾖｳ	1		
	151	E65389-004	SPECIAL SCREW	P.TRANS	2		
	153	SBSF2608M	SCREW		2	U,US	
	155	E47227-041	FOOT ASSY	REAR	2	C,J	

CD Mechanism Ass'y and Parts List

■Grease Point

Block No. M 2 M M

No.EXL-M6



NOTE
Please order moutor after confirming the number of the P.C.Board because the combination of feed motor is different according to the P.C.Board used.

■CD Mechanism Assembly Parts List

⚠	Item	Parts Number	Parts Name	Q'ty	Description	Area
	1	EPB-002PK	MECHA. BASE ASSY	1		
	2	OPTIMA-150S	OPTICAL PICK UP	1		
	3	E407782-001	CD SHAFT	1		
	4	E307746-001	CD RACK	1		
	5	EPB-003A	MECHA GEAR	1		
	6	SDSP2003N	SCREW	4		
	7	E406750-001	PINION GEAR	1		
	8	EPB309173A	TURN TABLE	1		
	9	E406784-001	FEED MOTOR	1	Use the No.11 P.C.Board	
		MDN-4RA3ETA-1	FEED MOTOR	1	Use the No.12 P.C.Board	
	10	E406783-001	SPINDLE MOTOR	1		
	11	EMW10190-001(S)	P. C. BOARD	1		
	12	EMW10190-221(S)	P. C. BOARD	1		
	13	ESB1100-005	LEAF SWITCH	1		
	14	E75832-001	SCREW	1		
	15	EMV5109-006B	CONN. TERMINAL	1		
	16	SDSF2006Z	SCREW	1		

■ Key/display(Block 01)

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 701	QER41HM-475MM	E CAPACITOR	4.7MF 20% 50V	
	C 702	QER41HM-475MM	E CAPACITOR	4.7MF 20% 50V	
	C 703	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 704	QER51EM-106	E.CAPA. I.M	10MF 20% 25V	
	C 705	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 706	QCGB1HK-102	C CAPACITOR	1000PF 10% 50V	
	C 711	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 712	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 716	QER51EM-106	E.CAPA. I.M	10MF 20% 25V	
	C 717	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 791	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 911	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	CN701	VMC0163-R11	CONNECTOR		
	CN702	EMV5109-011A	11P PLUG ASSY		
	CN704	EWS264-A430	WIRE ASSY		
	CN712	EWS26B-A432	WIRE ASSY		
	D 701	SLR-342VC-T	LED I.M		
	DI701	QLF0041-001	FL TUBE		
	FS701	LV30064-007A	SPACER	FOR DI701	
	FW705	EWR36B-08SST	FLAT WIRE		
	FW713	EWR34B-08SST	FLAT WIRE		
	FW901	EWR33B-08LST	FLAT WIRE		
	FW902	EWR33B-08SST	FLAT WIRE		
	FW903	EWR37B-45LST	FLAT WIRE		
	FW904	EWR33B-08SST	FLAT WIRE		
	FW905	EWR38B-25LST	FLAT WIRE		
	IC701	MN173222AN1	IC	FRONT MICOM	
	IC702	GP1U281X	IR DETECT UNIT		
	JS711	QSJ4002-E01	PUSH SW		
	PH911	GP1A58HR	PHOTO INT.		
	PH912	GP1A58HR	PHOTO INT.		
	PH913	GP1A58HR	PHOTO INT.		
	PH921	PT361FM	PHOTO.TR.		
	Q 701	2SA1175	TRANSISTOR		
	Q 702	2SA1175	TRANSISTOR		
	Q 703	2SA1175	TRANSISTOR		
	Q 704	2SC2785	TRANSISTOR		
	Q 705	2SC2785	TRANSISTOR		
	Q 921	2SC1740S(R,S)	TR.I M		
	R 701	QRD161J-331	C RESISTOR	330 5% 1/4W	
	R 702	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 703	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 704	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 705	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 706	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 707	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 708	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 709	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 710	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 711	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 712	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 713	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 714	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 715	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 716	QRD161J-103	C RESISTOR	10K 5% 1/4W	

BLOCK NO. 01

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 717	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 718	QRB109J-104	R.NETWORK	100K 5% 1/0W	
	R 719	QRB109J-104	R.NETWORK	100K 5% 1/0W	
	R 720	QRB129J-104	R.NETWORK	100K 5% 1/2W	
	R 721	QRB139J-104	R.NETWORK	100K 5% 1/3W	
	R 722	QRD161J-561	C RESISTOR	560 5% 1/4W	
	R 911	QRD161J-431Y	C RESISTOR	430 5% 1/4W	
	R 912	QRD161J-431Y	C RESISTOR	430 5% 1/4W	
	R 913	QRD161J-431Y	C RESISTOR	430 5% 1/4W	
	R 914	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 915	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 916	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 921	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 922	QRD161J-152	C RESISTOR	1.5K 5% 1/4W	
	S 701	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 711	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 712	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 713	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 714	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 715	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 716	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 717	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 718	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 719	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 720	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 721	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 722	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 723	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 731	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 732	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 733	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 751	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 752	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 753	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 754	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 755	QSQ1001-E01AJ4	TACT SWITCH IM		
	S 901	QSW0472-001	SWITCH		
	S 902	QSW0472-001	SWITCH		
	S 903	QSW0507-001	SWITCH		
	S 904	QSW0507-001	SWITCH		
	SP701	VYH7653-001	IC HOLDER	FOR IC701	
	TW701	QUB220-22HPXL	SIN TWIST WIRE		
	X 701	ECX0060-000EM	RESONATOR I.M		

■ Main/CD amplifire(Block 02)

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
⚠	C 1	QCZ9050-103ABS	C.CAPA.	.010MF	
	C 101	QETB1CM-338	E CAPACITOR	3300MF 20% 16V	
	C 102	QETB1CM-228	E CAPACITOR	2200MF 20% 16V	
	C 108	QCF21HP-223A	C.CAPA. I.M	.022MF +80:-20%	
	C 111	QETC1HM-225ZN	E CAPACITOR	2.2MF 20% 50V	
	C 112	QET41AM-476	E CAPACITOR	47MF 20% 10V	
	C 113	QET41AM-476	E CAPACITOR	47MF 20% 10V	
	C 121	QET41CM-227	E CAPACITOR	220MF 20% 16V	
	C 122	QET41CM-226	E.CAPACITOR	22MF 20% 16V	
	C 131	QET41HM-476	E CAPACITOR	47MF 20% 50V	
	C 132	QET41HM-476	E CAPACITOR	47MF 20% 50V	
	C 133	QETC1HM-106ZN	E CAPACITOR	10MF 20% 50V	
	C 134	QCF11HP-473	C CAPACITOR	.047MF +80:-20%	
	C 135	QETC1HM-106ZN	E CAPACITOR	10MF 20% 50V	
	C 141	QCF21HP-223A	C.CAPA. I.M	.022MF +80:-20%	
	C 142	QEADOHZ-479A	GOLD CAPACITOR	47000MF	
	C 143	QET41EM-106	E CAPACITOR	10MF 20% 25V	
	C 191	QFV41HJ-104ZM	TF CAPACITOR	.10MF 5% 50V	
	C 192	QFV41HJ-104ZM	TF CAPACITOR	.10MF 5% 50V	
	C 196	QCF21HP-223A	C.CAPA. I.M	EARTH POINT	
	C 199	QCF21HP-223A	C.CAPA. I.M	EARTH POINT	
	C 201	QET41EM-106	E CAPACITOR	10MF 20% 25V	
	C 202	QCF21HP-223A	C.CAPA. I.M	.022MF +80:-20%	
	C 203	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 204	QCBB1HK-331Y	C CAPACITOR	330PF 10% 50V	
	C 207	QCF11HP-473	C CAPACITOR	.047MF +80:-20%	
	C 208	QET41EM-106	E CAPACITOR	10MF 20% 25V	
	C 305	QET41EM-476	E CAPACITOR	47MF 20% 25V	
	C 306	QET41EM-476	E CAPACITOR	47MF 20% 25V	
	C 331	QFN81HJ-103	M CAPACITOR	.010MF 5% 50V	
	C 332	QFN81HJ-103	M CAPACITOR	.010MF 5% 50V	
	C 333	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 342	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V	
	C 351	QET41AM-107	E CAPACITOR	100MF 20% 10V	
	C 373	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 403	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 404	QET41EM-106	E CAPACITOR	10MF 20% 25V	
	C 602	QCZ0205-155	ML C CAP I/M	1.5MF	
	C 603	QFV41HJ-104ZM	TF CAPACITOR	.10MF 5% 50V	
	C 604	QET41AM-107	E CAPACITOR	100MF 20% 10V	
	C 605	QET41EM-106	E CAPACITOR	10MF 20% 25V	
	C 606	QCGB1HK-102	C CAPACITOR	1000PF 10% 50V	
	C 607	QCGB1HK-102	C CAPACITOR	1000PF 10% 50V	
	C 608	QET41HM-105	E CAPACITOR	1.0MF 20% 50V	
	C 609	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 610	QFN41HJ-273	M CAPACITOR	.027MF 5% 50V	
	C 611	QCXB1CM-472Y	C.CAPACITOR	4700PF 20% 16V	
	C 612	QCVB1CN-103Y	C CAPACITOR	.010MF 30% 16V	
	C 614	QFV41HJ-104ZM	TF CAPACITOR	.10MF 5% 50V	
	C 615	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 616	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 617	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 618	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 619	QCBB1HK-271Y	C CAPACITOR	270PF 10% 50V	
	C 620	QCBB1HK-151Y	C CAPACITOR	150PF 10% 50V	

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	C 622	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 623	QFV71HJ-563ZM	M.M.CAP.IM	.056MF 5% 50V	
	C 624	QCZ0205-155	ML C CAP I/M	1.5MF	
	C 625	QCZ0205-155	ML C CAP I/M	1.5MF	
	C 631	QET41CM-477	E CAPACITOR	470MF 20% 16V	
	C 632	QET41AM-477	E CAPACITOR	470MF 20% 10V	
	C 633	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 635	QCBB1HK-101Y	C CAPACITOR	100PF 10% 50V	
	C 641	QFLC1HJ-562ZM	M CAPACITOR	5600PF 5% 50V	
	C 642	QFLC1HJ-103ZM	M CAPACITOR	.010MF 5% 50V	
	C 651	QCT30CH-120Y	C CAPACITOR	12PF 5% 50V	
	C 652	QCT30CH-120Y	C CAPACITOR	12PF 5% 50V	
	C 653	QFV41HJ-104ZM	TF CAPACITOR	.10MF 5% 50V	
	C 655	QCZ0205-155	ML C CAP I/M	1.5MF	
	C 656	QCZ0205-155	ML C CAP I/M	1.5MF	
	C 661	QCBB1HK-471Y	C CAPACITOR	470PF 10% 50V	
	C 663	QFN81HJ-223	M CAPACITOR	.022MF 5% 50V	
	C 664	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 665	QFV81HJ-154	TF CAPACITOR	.15MF 5% 50V	
	C 673	QETC0JM-477ZN	E CAPACITOR	470MF 20% 6.3V	
	C 674	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 676	QFV41HJ-104ZM	TF CAPACITOR	.10MF 5% 50V	
	C 677	QCZ0205-155	ML C CAP I/M	1.5MF	
	C 679	QET41CM-107	E CAPACITOR	100MF 20% 16V	
	C 680	QCZ0205-155	ML C CAP I/M	1.5MF	
	C 681	QCBB1HK-181Y	C CAPACITOR	180PF 10% 50V	
	C 682	QCBB1HK-181Y	C CAPACITOR	180PF 10% 50V	
	C 683	QFN31HJ-392Z	M.CAPACITOR	3900PF 5% 50V	
	C 684	QFN31HJ-392Z	M.CAPACITOR	3900PF 5% 50V	
	C 685	QFN41HJ-333	M.CAPA. I.M	.033MF 5% 50V	
	C 686	QFN41HJ-333	M.CAPA. I.M	.033MF 5% 50V	
	C 687	QET41HM-476	E CAPACITOR	47MF 20% 50V	
	C 801	QCS11HJ-680	C CAPACITOR	68PF 5% 50V	
	C 804	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 805	QET41EM-106	E CAPACITOR	10MF 20% 25V	
	C 806	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 807	QET41EM-106	E CAPACITOR	10MF 20% 25V	
	C 811	QCS11HJ-680	C CAPACITOR	68PF 5% 50V	
	C 814	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 815	QET41EM-106	E CAPACITOR	10MF 20% 25V	
	C 816	QCFB1HZ-223	C CAPACITOR	.022MF +80:-20% 50V	
	C 817	QET41EM-106	E CAPACITOR	10MF 20% 25V	
	C 821	QCS11HJ-680	C CAPACITOR	68PF 5% 50V	
	CN 1	EWS246-028	WIRE ASSY		
	CN101	VMC0040-006	6P CONNECTOR		
	CN601	EMV7170-115R	15PIN CONNECTOR		
	CN602	VMC0075-006	6P PLUG ASSY		
	CN604	VMC0163-020	CONNECTOR		
	CN606	VMC0163-004	CONNECTOR		
	CN607	QMV5004-002	CONNECTOR		
	CN611	VMC0163-011	CONNECTOR		
	CN711	VMC0163-020	CONNECTOR		
	CN713	VMC0163-004	CONNECTOR		
	CN714	VMC0075-004	4P PLUG ASSY		
	CN901	EMV7122-103	SOCKET I.M		

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	CN903	EMV7122-103	SOCKET I.M		
	CN904	EMV7122-004Z	SOCKET IMM		
	CN905	EMV7122-004Z	SOCKET IMM		
	CN906	EMV7122-004Z	SOCKET IMM		
	CP101	ICP-N10	ICP I.M		
	D 101	1SR35-200A	DIODE I.M		
	D 102	1SR35-200A	DIODE I.M		
	D 103	1SR35-200A	DIODE I.M		
	D 104	1SR35-200A	DIODE I.M		
	D 111	MTZ5.6JA	ZENER DIODE		
	D 121	1SS133-T2	DIODE		
	D 131	1SR35-200A	DIODE I.M		
	D 132	1SR35-200A	DIODE I.M		
	D 133	1SR35-200A	DIODE I.M		
	D 134	MTZ36JC	Z.DIODE I.M		
	D 141	1SS133	SI DIODE		
	D 142	1SS133	SI DIODE		
	D 144	1SS133	SI DIODE		
	D 201	1SS133-T2	DIODE		
	D 202	1SS133-T2	DIODE		
	D 203	1SS133-T2	DIODE		
	D 204	1SS133-T2	DIODE		
	D 205	1SS133-T2	DIODE		
	D 601	GL4800BC	U.RED LED		
	D 741	SLA-362LTA47	LED		
	D 742	SLA-362LTA47	LED		
	D 743	SLA-362LTA47	LED		
	EP901	EMZ4002-002Z	IM EARTH PLATE		
	EP902	EMZ4002-002Z	IM EARTH PLATE		
	EP904	EMZ4002-002Z	IM EARTH PLATE		
	FW301	EWR3AB-10SST	FLAT WIRE		
	HS111	E70306-001	HEAT SINK	FOR Q111	
	IC201	MN101C15FAG	IC	MAIN MICOM	
	IC202	PST9140T	IC I.M		
	IC402	TC55257DFL85L	IC		
	IC601	AN8806SB	IC		
	IC602	BA6897FP-W	IC		
	IC603	MN35511	IC		
	IC604	NJM4580E	IC		
	IC801	NJM4580L	IC		
	IC802	NJM4580L	IC		
⚠	J 1	QNC0006-001	AC SOCKET		
	J 201	QMS3533-V01	JACK	COMPULINK	
	J 202	GP1F32T	OPTICAL JACK	DIGITAL OUT	
	J 203	QNS0077-001	3.5 JACK	TEXT COMPULINK	
	J 301	QNN0172-001	PIN JACK	LINE OUT	
	Q 111	SBSE3008Z	SCREW	FOR Q111	
	Q 111	2SB1655/E/	TR.		
	Q 112	2SD1302	TR.I M		
	Q 113	2SB1357(E,F)	TR.I.M		
	Q 121	2SA933AS(RS)-T	TR.IM		
	Q 122	DTC114YSA-T	D.TR.I.M		
	Q 131	2SA933AS(RS)-T	TR.IM		
	Q 132	2SD1302	TR.I M		
	Q 133	2SD1302	TR.I M		

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	Q 134	DTA114YS	TR I/M		
	Q 201	DTC144ES	TR I.M		
	Q 202	DTA114YS	D.TR.I.M		
	Q 331	2SD1302	TR.I M		
	Q 332	2SD1302	TR.I M		
	Q 401	DTC114ESA-T	D.TR.I.M		
	Q 601	2SA952(L,K)	TRANSISTOR		
	Q 801	2SC2060(Q,R)	TR.I.M		
	Q 802	2SA934(Q,R)	TR I.M		
	Q 811	2SC2060(Q,R)	TR.I.M		
	Q 812	2SA934(Q,R)	TR I.M		
	Q 821	2SC2060(Q,R)	TR.I.M		
	Q 822	2SA934(Q,R)	TR I.M		
	R 111	QRD161J-222	C RESISTOR	2.2K 5% 1/4W	
	R 112	QRD161J-221	C RESISTOR	220 5% 1/4W	
	R 113	QRD161J-221	C RESISTOR	220 5% 1/4W	
	R 114	QRD161J-202	C RESISTOR	2.0K 5% 1/4W	
	R 115	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 116	QRD161J-122	C RESISTOR	1.2K 5% 1/4W	
	R 117	QRD167J-1R5	C.RES. I.M	1.5 5% 1/4W	
	R 118	QRD167J-1R5	C.RES. I.M	1.5 5% 1/4W	
	R 119	QRD161J-202	C RESISTOR	2.0K 5% 1/4W	
	R 121	QRD161J-331	C RESISTOR	330 5% 1/4W	
	R 122	QRD161J-123	C RESISTOR	12K 5% 1/4W	
	R 123	QRD161J-273	C RESISTOR	27K 5% 1/4W	
	R 124	QRD161J-221	C RESISTOR	220 5% 1/4W	
	R 131	QRZ0062-560	F.RES. I.M	56 1/0W	
	R 132	QRD161J-362	C RESISTOR	3.6K 5% 1/4W	
	R 133	QRD161J-362	C RESISTOR	3.6K 5% 1/4W	
	R 134	QRD167J-121	C RESISTOR	120 5% 1/4W	
	R 135	QRD161J-122	C RESISTOR	1.2K 5% 1/4W	
	R 136	QRD161J-122	C RESISTOR	1.2K 5% 1/4W	
	R 137	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 138	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 139	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 144	QRD161J-331	C RESISTOR	330 5% 1/4W	
	R 151	QRD161J-153	C RESISTOR	15K 5% 1/4W	
	R 201	QRD161J-102	C RESISTOR	1.0K 5% 1/4W	
	R 202	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 203	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 204	QRD161J-223	C RESISTOR	22K 5% 1/4W	
	R 205	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 206	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 207	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 208	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 209	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 210	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 211	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 212	QRD161J-561	C RESISTOR	560 5% 1/4W	
	R 309	QRD161J-273	C RESISTOR	27K 5% 1/4W	
	R 310	QRD161J-273	C RESISTOR	27K 5% 1/4W	
	R 331	QRD161J-561	C RESISTOR	560 5% 1/4W	
	R 332	QRD161J-561	C RESISTOR	560 5% 1/4W	
	R 333	QRD161J-101	C RESISTOR	100 5% 1/4W	
	R 334	QRD161J-101	C RESISTOR	100 5% 1/4W	

BLOCK NO. 02

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 335	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 336	QRD161J-103	C RESISTOR	10K 5% 1/4W	
	R 337	QRD161J-105	C RESISTOR	1.0M 5% 1/4W	
	R 338	QRD161J-105	C RESISTOR	1.0M 5% 1/4W	
	R 339	QRD161J-244	C RESISTOR	240K 5% 1/4W	
	R 341	QRD161J-471	C RESISTOR	470 5% 1/4W	
	R 342	QRD161J-101	C RESISTOR	100 5% 1/4W	
	R 352	QRD161J-2R2	C RESISTOR	2.2 5% 1/4W	
	R 361	QRD161J-221	C RESISTOR	220 5% 1/4W	
	R 362	QRD161J-101	C RESISTOR	100 5% 1/4W	
	R 373	QRD161J-474	C RESISTOR	470K 5% 1/4W	
	R 374	QRD161J-274	C RESISTOR	270K 5% 1/4W	
	R 401	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 601	QRD161J-123	C RESISTOR	12K 5% 1/4W	
	R 603	QRD161J-125	C.RES. I.M	1.2M 5% 1/4W	
	R 605	QRD161J-224	C RESISTOR	220K 5% 1/4W	
	R 606	QRD161J-104	C RESISTOR	100K 5% 1/4W	
	R 607	QRD161J-273	C RESISTOR	27K 5% 1/4W	
	R 609	QRD161J-124	C RESISTOR	120K 5% 1/4W	
	R 610	QRD161J-104	C RESISTOR	100K 5% 1/4W	
	R 611	QRD161J-473	C RESISTOR	47K 5% 1/4W	
	R 613	QRD167J-121	C RESISTOR	120 5% 1/4W	
	R 614	QRD161J-100	C RESISTOR	10 5% 1/4W	
	R 615	QRD161J-120	C RESISTOR	12 5% 1/4W	
	R 616	QRD161J-910Y	C RESISTOR	91 5% 1/4W	
	R 641	QRD161J-473	C RESISTOR	47K 5% 1/4W	
	R 642	QRD161J-222	C RESISTOR	2.2K 5% 1/4W	
	R 643	QRD161J-822	C RESISTOR	8.2K 5% 1/4W	
	R 644	QRD161J-223	C RESISTOR	22K 5% 1/4W	
	R 645	QRD161J-223	C RESISTOR	22K 5% 1/4W	
	R 646	QRD161J-222	C RESISTOR	2.2K 5% 1/4W	
	R 647	QRD161J-472	C RESISTOR	4.7K 5% 1/4W	
	R 650	QRD161J-182	C RESISTOR	1.8K 5% 1/4W	
	R 651	QRD161J-102	C RESISTOR	1.0K 5% 1/4W	
	R 652	QRD161J-102	C RESISTOR	1.0K 5% 1/4W	
	R 653	QRD161J-102	C RESISTOR	1.0K 5% 1/4W	
	R 654	QRD161J-151	C RESISTOR	150 5% 1/4W	
	R 655	QRD161J-102	C RESISTOR	1.0K 5% 1/4W	
	R 656	QRD161J-102	C RESISTOR	1.0K 5% 1/4W	
	R 657	QRD161J-102	C RESISTOR	1.0K 5% 1/4W	
	R 658	QRD161J-102	C RESISTOR	1.0K 5% 1/4W	
	R 660	QRD161J-102	C RESISTOR	1.0K 5% 1/4W	
	R 661	QRD161J-683	C RESISTOR	68K 5% 1/4W	
	R 663	QRD161J-124	C RESISTOR	120K 5% 1/4W	
	R 664	QRD161J-331	C RESISTOR	330 5% 1/4W	
	R 665	QRD161J-271	C RESISTOR	270 5% 1/4W	
	R 666	QRD161J-221	C RESISTOR	220 5% 1/4W	
	R 667	QRD161J-220	C RESISTOR	22 5% 1/4W	
	R 671	QRD161J-163	C.RES. I.M	16K 5% 1/4W	
	R 672	QRD161J-163	C.RES. I.M	16K 5% 1/4W	
	R 673	QRD161J-163	C.RES. I.M	16K 5% 1/4W	
	R 674	QRD161J-163	C.RES. I.M	16K 5% 1/4W	
	R 675	QRD161J-243	C RESISTOR	24K 5% 1/4W	
	R 676	QRD161J-243	C RESISTOR	24K 5% 1/4W	
	R 677	QRD161J-243	C RESISTOR	24K 5% 1/4W	

BLOCK NO. 02

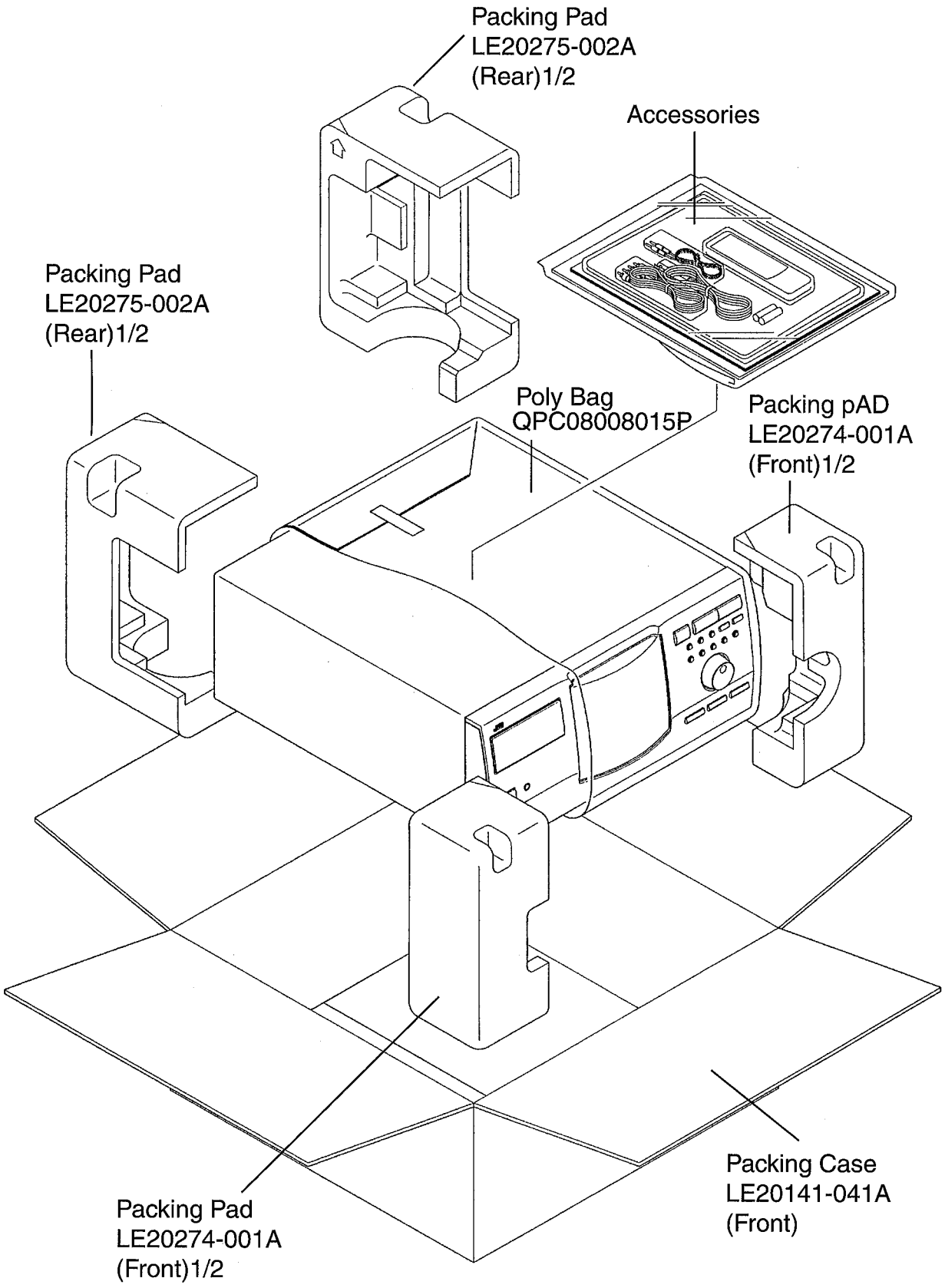
⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	SUFFIX
	R 678	QRD161J-243	C RESISTOR	24K 5% 1/4W	
	R 679	QRD161J-102	C RESISTOR	1.0K 5% 1/4W	
	R 680	QRD161J-105	C RESISTOR	1.0M 5% 1/4W	
	R 681	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R 682	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R 683	QRD161J-162	C RESISTOR	1.6K 5% 1/4W	
	R 684	QRD161J-162	C RESISTOR	1.6K 5% 1/4W	
	R 685	QRD167J-682	C RESISTOR	6.8K 5% 1/4W	
	R 686	QRD167J-682	C RESISTOR	6.8K 5% 1/4W	
	R 687	QRD161J-362	C RESISTOR	3.6K 5% 1/4W	
	R 688	QRD161J-362	C RESISTOR	3.6K 5% 1/4W	
	R 689	QRD161J-101	C RESISTOR	100 5% 1/4W	
	R 690	QRD161J-101	C RESISTOR	100 5% 1/4W	
	R 691	QRD161J-181	C RESISTOR	180 5% 1/4W	
	R 741	QRD161J-331	C RESISTOR	330 5% 1/4W	
	R 742	QRD161J-331	C RESISTOR	330 5% 1/4W	
	R 743	QRD161J-331	C RESISTOR	330 5% 1/4W	
	R 801	QRD161J-223	C RESISTOR	22K 5% 1/4W	
	R 802	QRD161J-223	C RESISTOR	22K 5% 1/4W	
	R 803	QRD161J-153	C RESISTOR	15K 5% 1/4W	
	R 804	QRD161J-153	C RESISTOR	15K 5% 1/4W	
	R 805	QRD161J-101	C RESISTOR	100 5% 1/4W	
	R 811	QRD161J-203	C RESISTOR	20K 5% 1/4W	
	R 812	QRD161J-203	C RESISTOR	20K 5% 1/4W	
	R 813	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R 814	QRE141J-183Y	C RESISTOR	18K 5% 1/4W	
	R 815	QRD161J-101	C RESISTOR	100 5% 1/4W	
	R 821	QRD161J-203	C RESISTOR	20K 5% 1/4W	
	R 822	QRD161J-203	C RESISTOR	20K 5% 1/4W	
	R 823	QRD161J-243	C RESISTOR	24K 5% 1/4W	
	R 824	QRD161J-243	C RESISTOR	24K 5% 1/4W	
	R 825	QRD161J-101	C RESISTOR	100 5% 1/4W	
	SP201	VYH7653-002	IC HOLDER	FOR IC201	
	SP402	VYH7653-005	IC HOLDER	FOR IC402	
	SP601	VYH7237-001	IC HOLDER	FOR IC601	
	SP602	VYH7237-003	IC HOLDER	FOR IC602	
	SP603	VYH7237-003	IC HOLDER	FOR IC603	
	TH101	PTH8L07BB2R2N1	POSISTOR I.M		
	TH102	PTH8L07BB2R2N1	POSISTOR I.M		
⚠	W 1	QWE881-08RR	WIRE		
	X 201	ECX0008-000KMZ	RESONATOR I.M		
	X 651	ECX0169-344EF	RESONATOR I.M		

BLOCK NO. M3MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	LVT0022-003A	INST BOOK		1	B	
		LVT0022-001A	INST BOOK		1	J	
		LVT0022-002A	INST BOOK		1	C	
		LVT0022-004A	INST BOOK		1	E	
		LVT0022-005A	INST BOOK		1	EN	
		LVT0022-006A	INST BOOK		1	U,US	
	2	E309758-006	POLY BAG	ACCESSORY A	1		
	3	E308801-001	SHEET		1		
	4	NS4571-101	C.D BOOKLET		1		
	5	QAM0109-001	PLUG-CORD	FOR TEXT-COMPUL	1		
	6	QMP5520-1835BS	POWER CORD		1	B	
		QMP1E00-183J5	POWER CORD		1	C,J	
		QMP39F0-183E	POWER CORD		1	E,EN,US	
		QMP7530-183	POWER CORD		1	U	
	7	EWP302-011W	SIGNAL CORD(JES	FOR AUDIO OUT	1		
	8	EWP805-001W	REMOTE WIRE	FOR COMPULINK	1		
	9	RM-SX334U	REMOCON		1	C,J	
		RM-SX334EU	REMOCON		1	B,E,EN,U,US	
	10	R6PPTT/2STS	BATTERY		1		
	13	BT-54008-1	WARRANTY CARD		1	B,E,EN	
		BT-52002-1	WARRANTY CARD		1	C	
	14	BT-20071B	SERVICE NETWORK		1	C	
	15	BT-20044G	SAFETY I.SHEET		1	J	
		E43486-340A	SAFETY I.SHEET		1	B	
	16	ENZ2202-001	SIEMENS PLUG		1	US	
		ENZ2203-001	SIEMENS PLUG		1	U	
	17	BT-51006-1	REGISTER CARD		1	J	

Packing Materials and Part Numbers

Block No. M 4 M M



■Accessories List

BLOCK NO. M4MM

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	1	LE20141-041A	PACKING CASE		1		
	2	LE20274-001A	P.PAD(F)	FRONT	1		
	3	LE20275-002A	P.PAD(R)	REAR	1		
	4	QPC08008015P	POLY BAG	SET	1		

JVC

VICTOR COMPANY OF JAPAN, LIMITED
AUDIO DIVISION,10-1,1-Chome,Ohwatari-machi,Maebashi-city,Japan

(No.20683)

Printed in Japan
9804(V)